COMPENSATED DENSITY/NEUTRON PE LOG

Company MULL DRILLING COMPANY, INC.
Well BBT #1-25
Field WHITNEY
County GOVE State KANSAS

Location: API # : 15-063-22414-0000
1192' FNL & 727' FWL
SW - SE - NW - NW
SEC 25 TWP 15S RGE 27W

Other Services
DIL/MEL
SONIC

Permanent Datum GROUND LEVEL Elevation 2451
Log Measured From KELLY BUSHING 7' A.G.L
Drilling Measured From KELLY BUSHING

Elevation
K.B. 2458
D.F. 2456
G.L. 2451

Date	8/16/22			
Run Number	ONE			
Depth Driller	4455			
Depth Logger	4457			
Bottom Logged Interval	4433			
Top Log Interval	3600			
Casing Driller	8 5/8" @ 263			
Casing Logger	263			
Bit Size	7 7/8			
Type Fluid in Hole	CHEMICAL MUD	CHLORIDES 5800 PPM		
Density / Viscosity	9.2/54			
pH / Fluid Loss	10.0/6.0			
Source of Sample	FLOWLINE			
Rm @ Meas. Temp	1.00 @ 75F			
Rmf @ Meas. Temp	.750 @ 75F			
Rmc @ Meas. Temp	1.20 @ 75F			
Source of Rmf / Rmc	MEASUREMENT			
Rm @ BHT	.620 @ 121F			
Time Circulation Stopped	2 HOURS			
Time Logger on Bottom	3:00 P.M.			
Maximum Recorded Temperature	121F			
Equipment Number	3802			
Location	HAYS, KANSAS			
Recorded By	COLE ROBBEN			
Witnessed By	BLAKE MILLER			

<<< Fold Here >>>

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

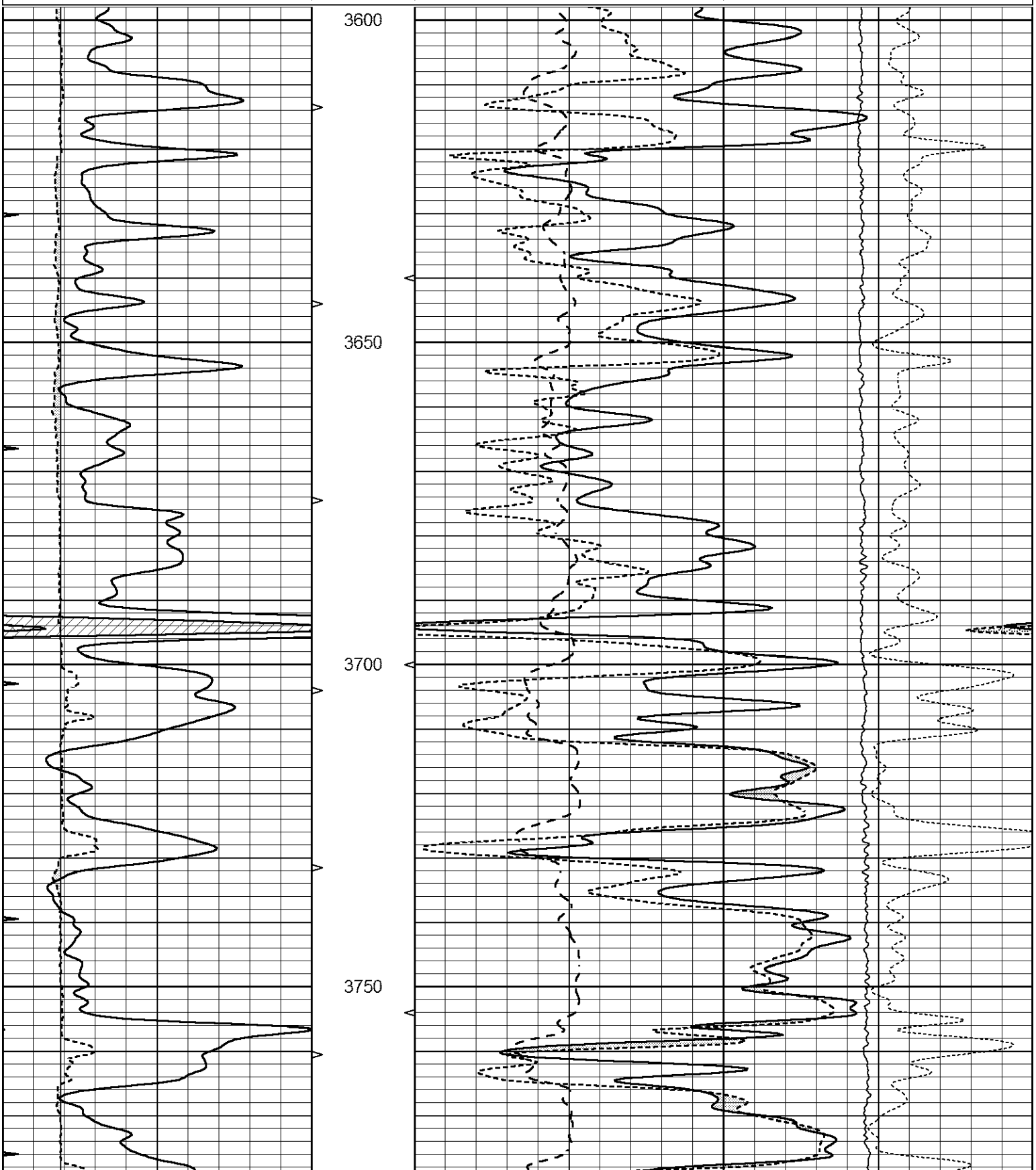
THANK YOU FOR USING ELI WIRELINE SERVICES, HAYS, KS. (785) 628-6395

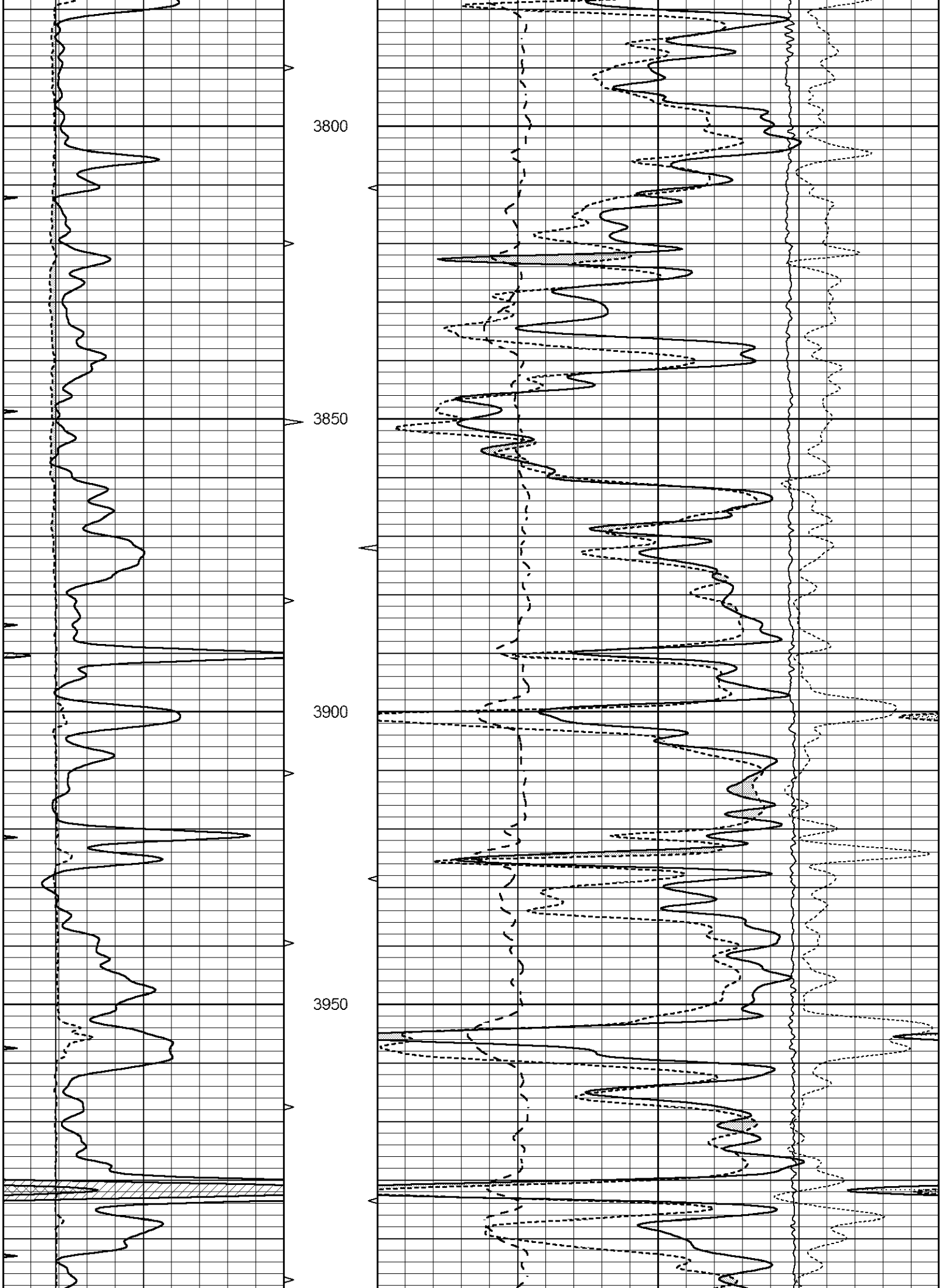
DIRECTIONS:
NORTH ON RED CHIEF ROAD FROM PENDENNIS, THEN EAST ON GOVE C ROAD 2 MILES
STRAIGHT ONTO LEASE ROAD, FOLLOW FOR 1.5 MILES TO LOCATION

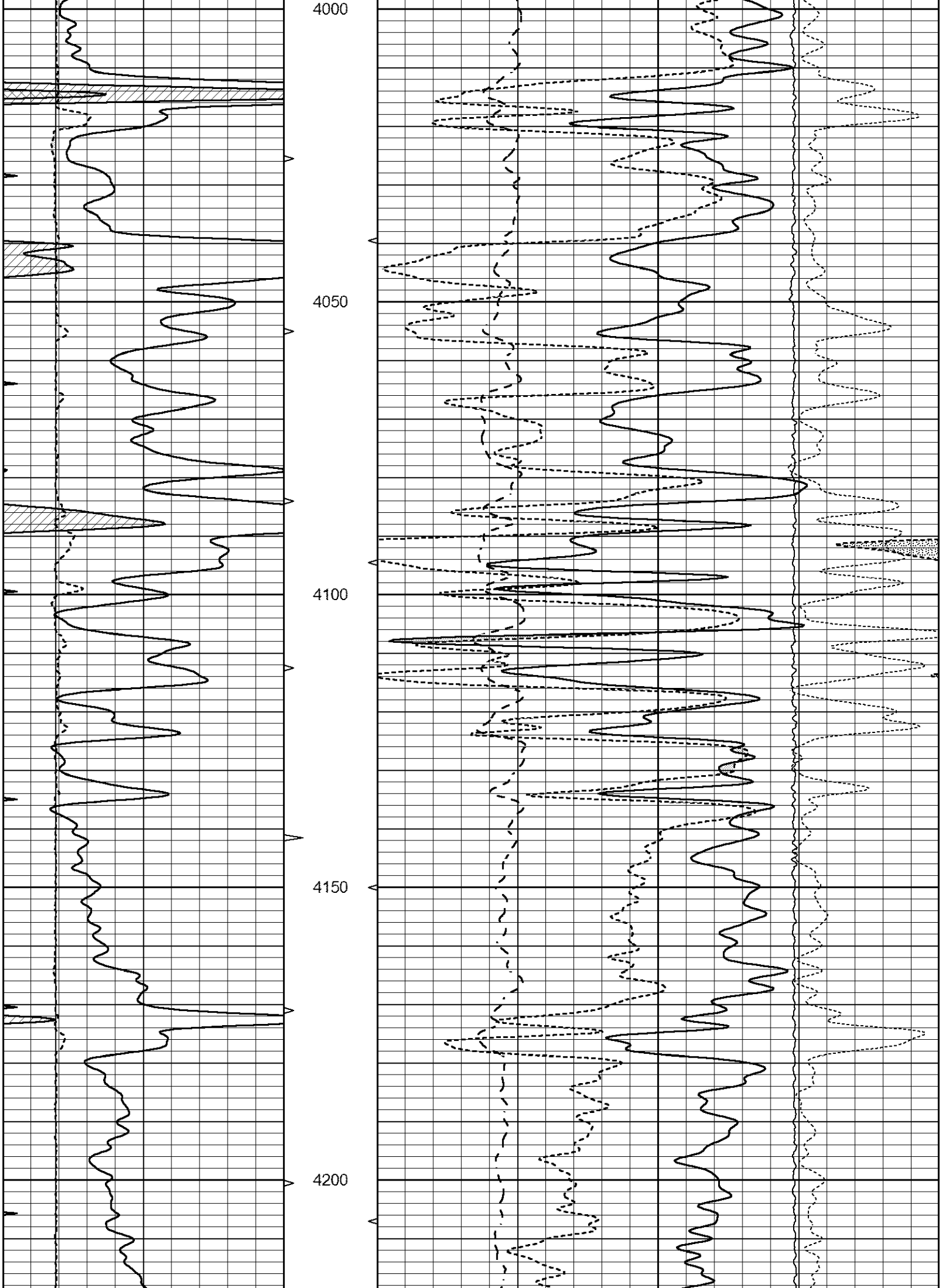
MAIN SECTION

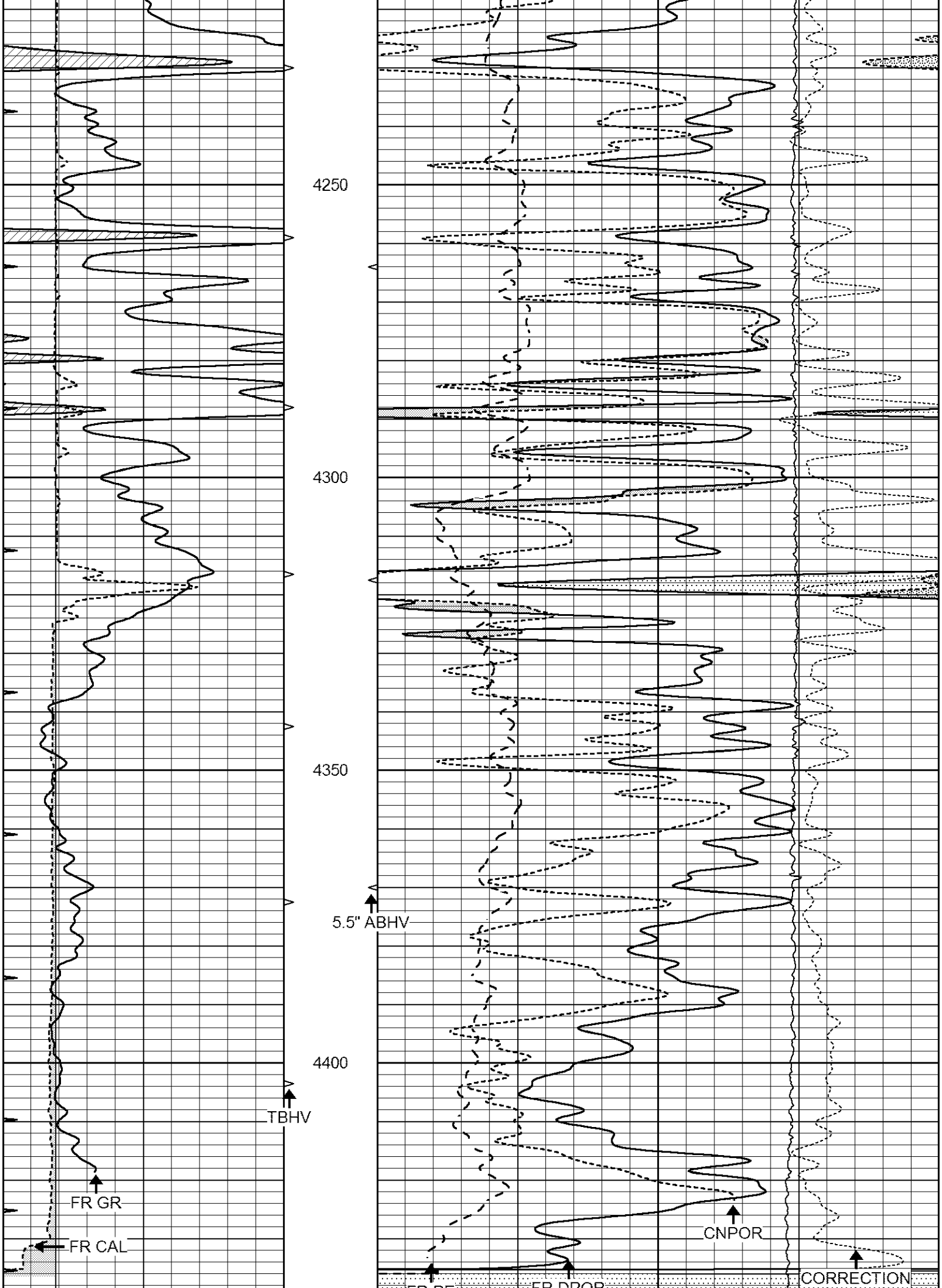
Database File	6771pe.db
Dataset Pathname	pass3M
Presentation Format	_ldt_neu
Dataset Creation	Tue Aug 16 16:02:38 2022
Charted by	Depth in Feet scaled 1:240

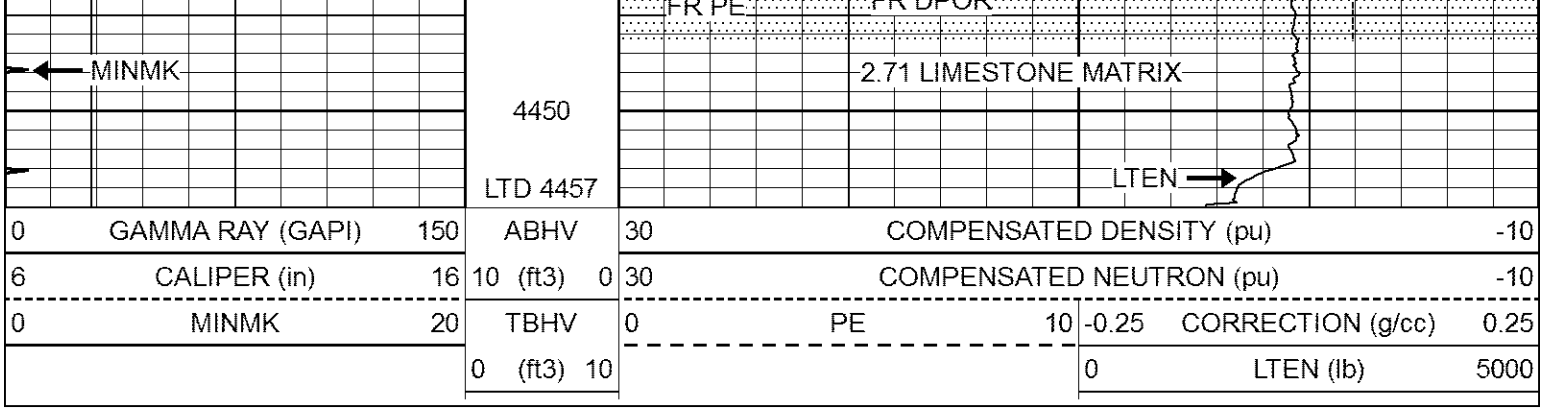
0	GAMMA RAY (GAPI)	150	ABHV	30	COMPENSATED DENSITY (pu)	-10
6	CALIPER (in)	16	10 (ft3) 0	30	COMPENSATED NEUTRON (pu)	-10
0	MINMK	20	TBHV	0	PE 10	-0.25 CORRECTION (g/cc) 0.25
			0 (ft3) 10			0 LTEN (lb) 5000




3800
3850
3900
3950


4000
4050
4100
4150
4200


4250
4300
4350
4400
5.5" ABHV
TBHV
FR GR
FR CAL
CNPOR
CORRECTION

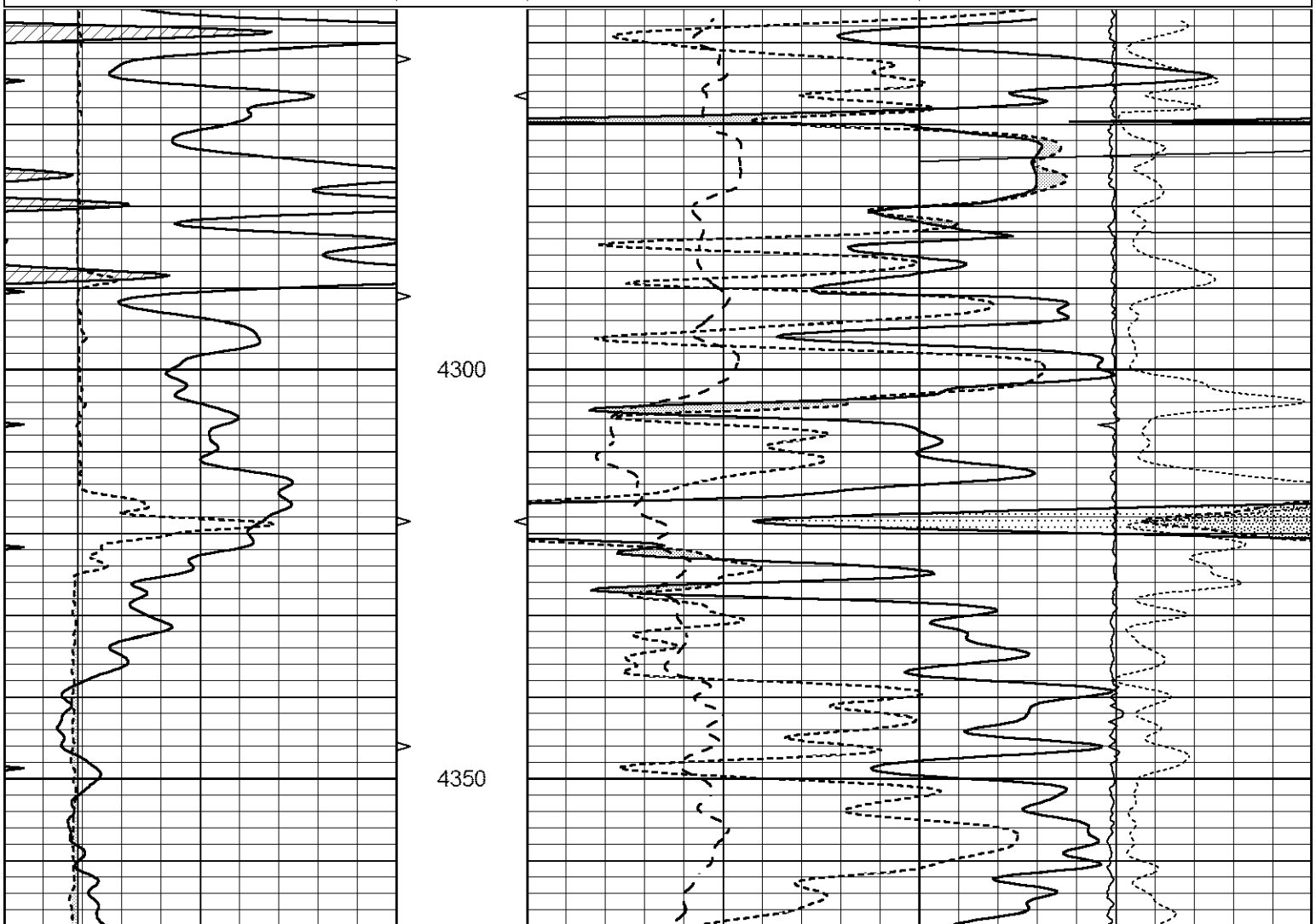


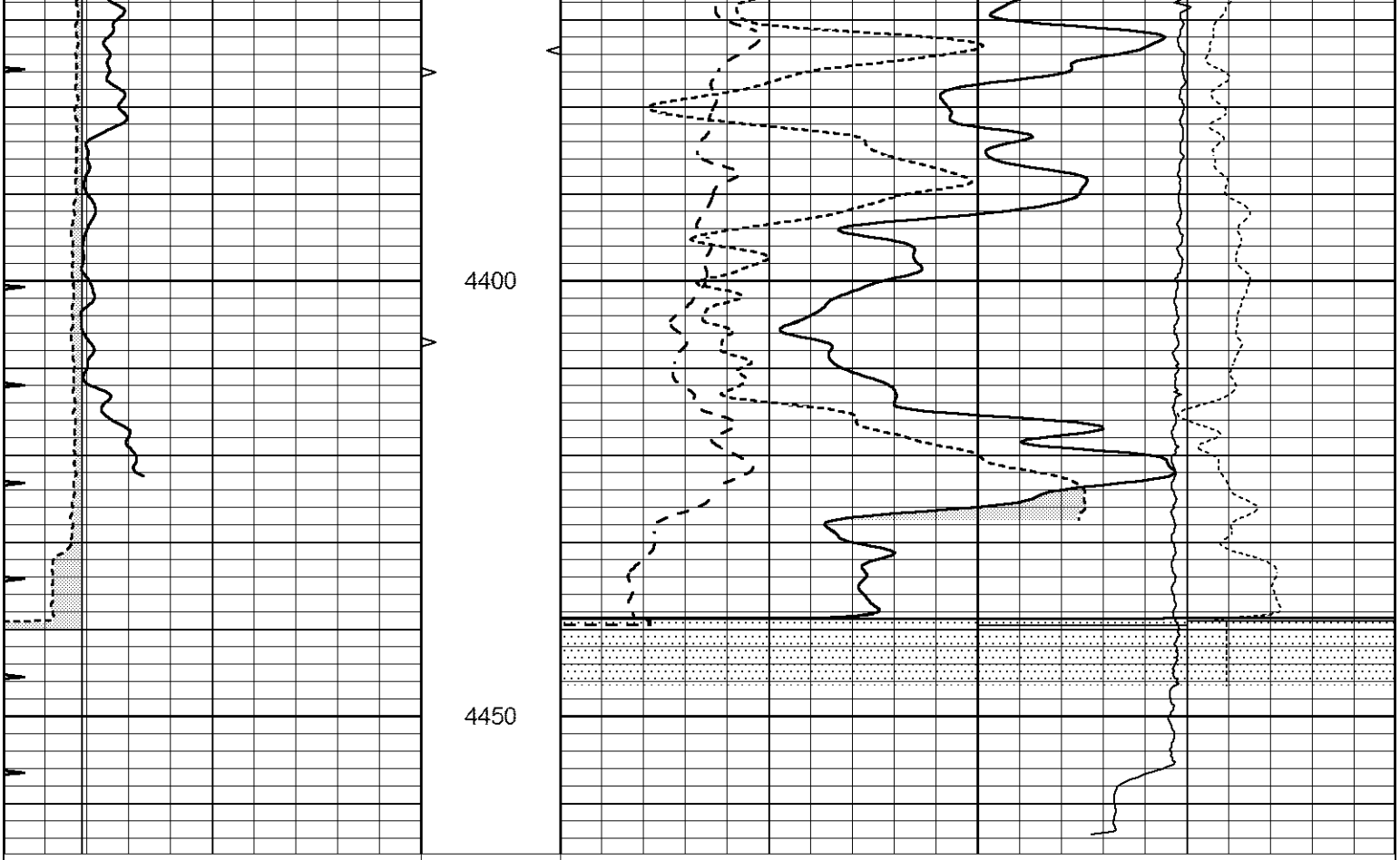
0	GAMMA RAY (GAPI)	150	ABHV	30	COMPENSATED DENSITY (pu)		-10
6	CALIPER (in)	16	10 (ft3) 0	30	COMPENSATED NEUTRON (pu)		-10
0	MINMK	20	TBHV	0	PE 10	-0.25 CORRECTION (g/cc)	0.25
			0 (ft3) 10			0 LTEN (lb)	5000

REPEAT SECTION

Database File	6771pe.db
Dataset Pathname	pass2REPEAT
Presentation Format	_ldt_neu
Dataset Creation	Tue Aug 16 16:08:02 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
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	6771pe.db
Dataset Pathname	pass3MAIN
Dataset Creation	Tue Aug 16 16:24:00 2022

Dual Induction Calibration Report

Serial-Model:	FW1410-55-Probe
Surface Cal Performed:	Thu Jun 30 01:48:00 2022
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	650.000	-3.000
Medium	-0.000	0.731	V	1.000	464.000	mmho/m	632.856	-10.500
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: Wed Jul 20 12:36:34 2022

	Background	Aluminum	Magnesium	
Window 1	503.67	5439.20	23645.11	cps
Window 2	40.11	1218.66	5702.60	cps
Window 4	221.18	1240.69	5295.43	cps
Window 5	542.56	7631.48	14305.13	cps
Window 6	41.67	1209.53	2345.40	cps
Window 8	256.91	2493.92	4591.85	cps
Bulk Density	-	2.6020	1.6830	g/cc
Pe	-	3.0000	2.5070	b/e

LS Alpha: : -1.8302 SS Alpha: : -0.7503 LS CPE: : 1.1699
LS Beta: : 122464.5983 SS Beta: : 16307.0478 SS CPE: : 1.6095

Before Survey Backround 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 Jul 20 12:36:34 2022

Results		References (in)			
Low	High	Low	High	Gain	Offset

11331.0	15645.5	8.0	14.0		0.0	-7.7

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	cps		
Long Space	cps	pu	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