



**COMPENSATED
DENSITY/NEUTRON
LOG**

Company VAL ENERGY, INC.

Well JOHNSON #1-36

Field

County THOMAS

State KANSAS

Location: API #: 15-193-21075-0000

928' FSL & 982' FEL

Other Services
DILMEL

SEC 36 TWP 7S RGE 36W

Elevation

Company VAL ENERGY, INC.
Well JOHNSON #1-36
Field
County THOMAS
State KANSAS

Permanent Datum GROUND LEVEL Elevation 3333
Log Measured From KELLY BUSHING 5' A.G.L
Drilling Measured From KELLY BUSHING

K.B. 3338
D.F. 3336
G.L. 3333

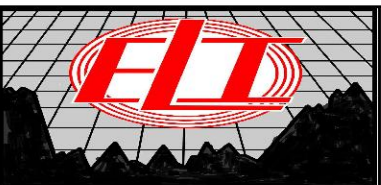
Date	4/9/20		
Run Number	ONE		
Depth Driller	4809		
Depth Logger	4803		
Bottom Logged Interval	4779		
Top Log Interval	3900		
Casing Driller	8 5/8" @ 304'		
Casing Logger	302'		
Bit Size	7 7/8		
Type Fluid in Hole	CHEMICAL MUD	CHLORIDES 7900 PPM	
Density / Viscosity	9.3/60		
pH / Fluid Loss	9.0/8.0		
Source of Sample	FLOWLINE		
Rm @ Meas. Temp	0.50 @ 97F		
Rmf @ Meas. Temp	0.37 @ 97F		
Rmc @ Meas. Temp	0.60 @ 97F		
Source of Rmf / Rmc	MEASUREMENT		
Rm @ BHT	0.39 @ 123F		
Time Circulation Stopped	2 HOURS		
Time Logger on Bottom	////		
Maximum Recorded Temperature	123F		
Equipment Number	3802		
Location	HAYS, KANSAS		
Recorded By	JASON CAPPELLUCCI		
Witnessed By	TIM PRIEST		

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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

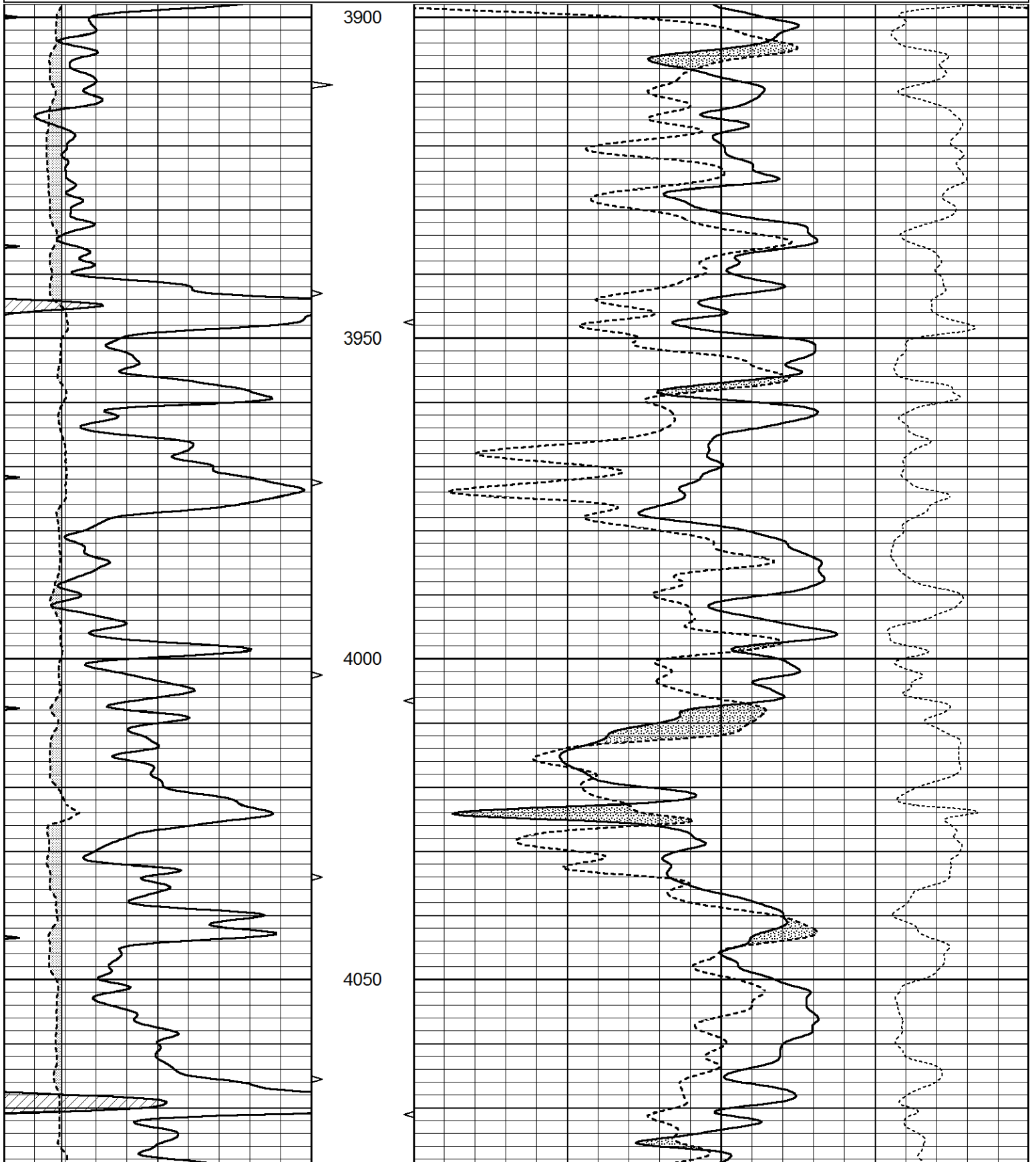
THANK YOU FOR USING ELI WIRELINE SERVICES, HAYS, KS. (785) 628-6395
DIRECTIONS
LEVANT, KS. - 2 WEST ON RD. R - 1 NORTH ON RD. 9 1 WEST - 1/4 NORTH - WEST INTO

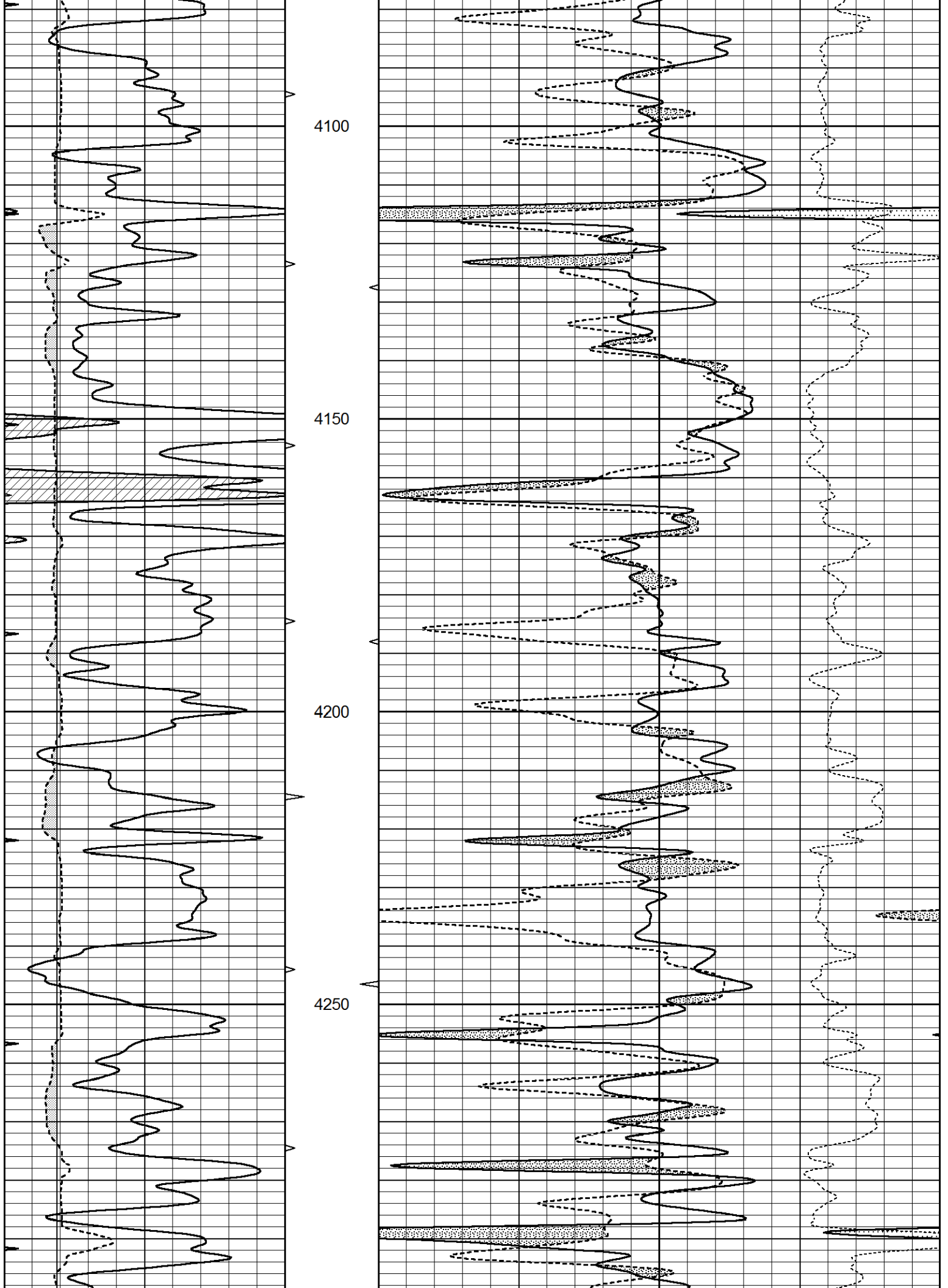


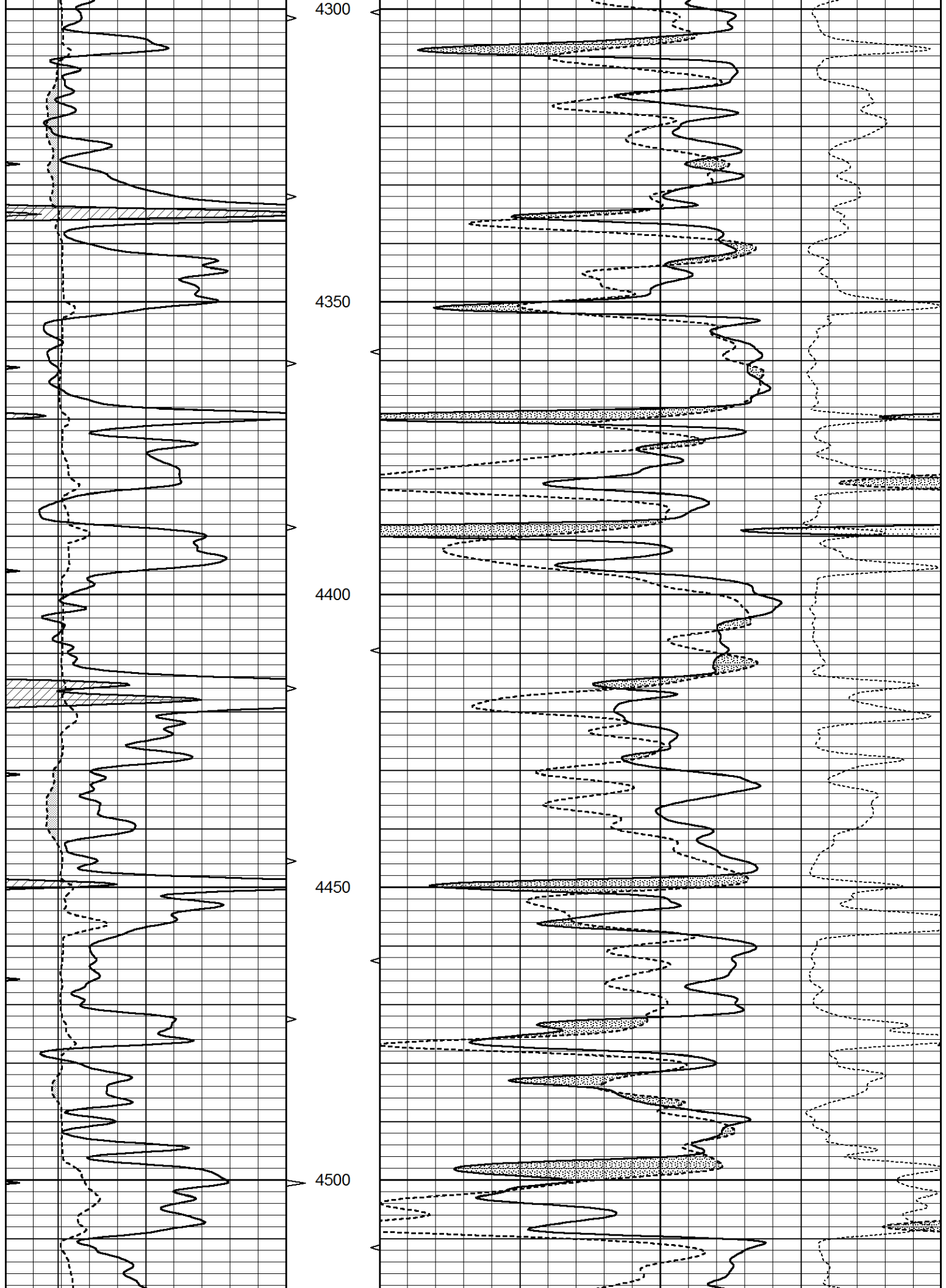
MAIN SECTION

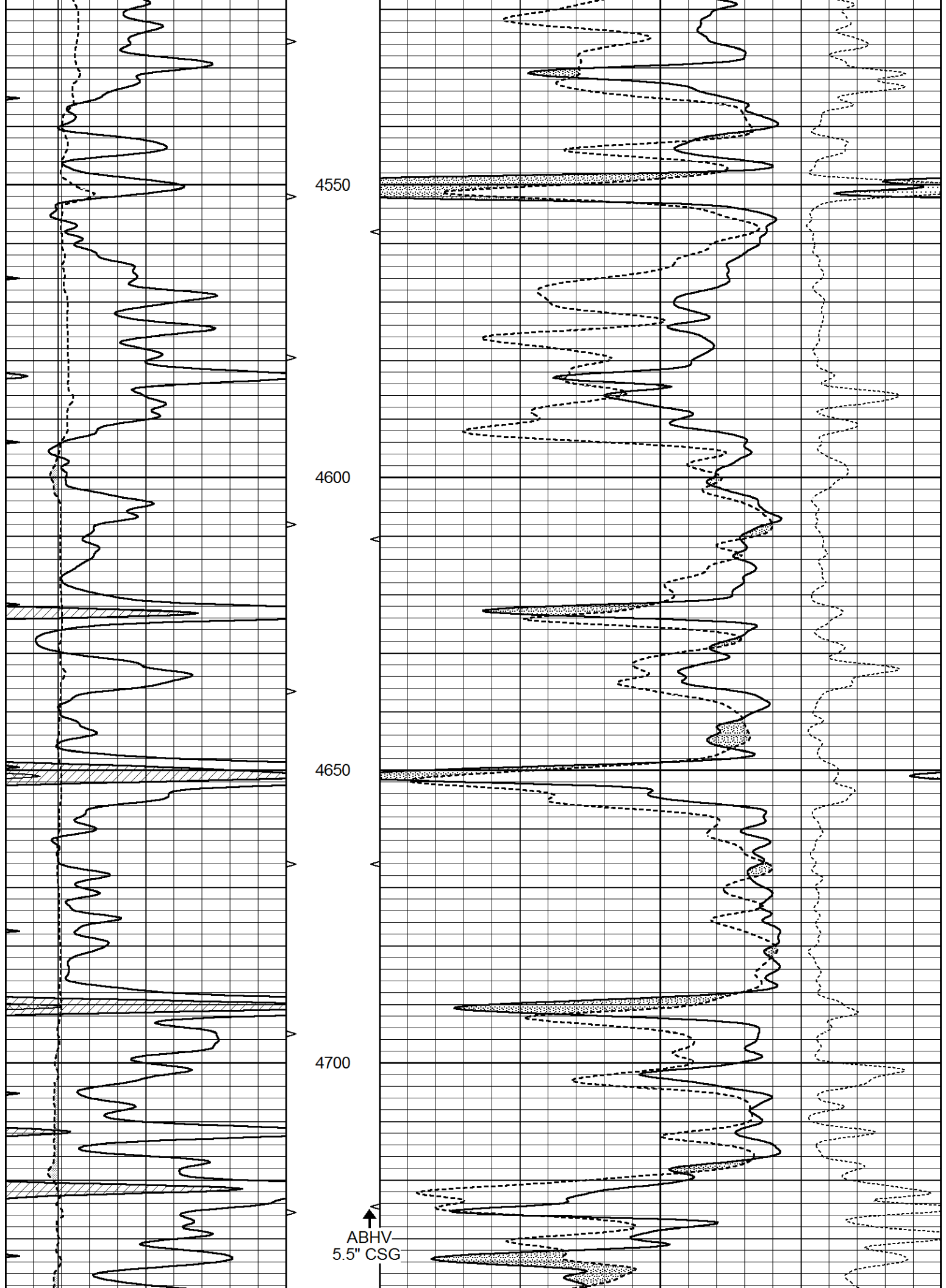
Database File 4735ddn.db
 Dataset Pathname pass3.1
 Presentation Format _den_neu
 Dataset Creation Thu Apr 09 18:47:09 2020
 Charted by Depth in Feet scaled 1:240

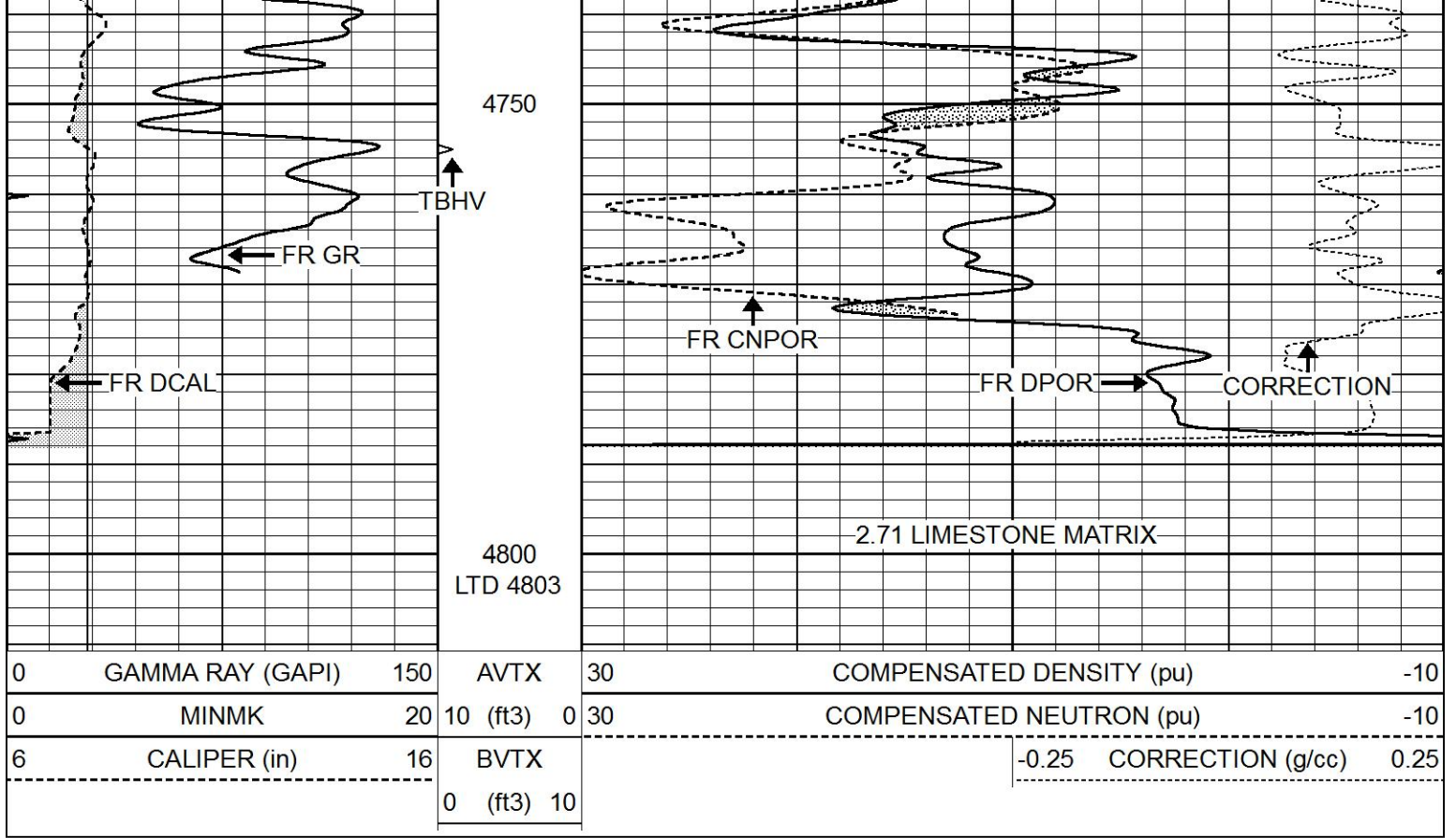
0	GAMMA RAY (GAPI)	150	AVTX	30	COMPENSATED DENSITY (pu)	-10
0	MINMK	20	10 (ft3) 0	30	COMPENSATED NEUTRON (pu)	-10
6	CALIPER (in)	16	BVTX		-0.25 CORRECTION (g/cc)	0.25
			0 (ft3) 10			







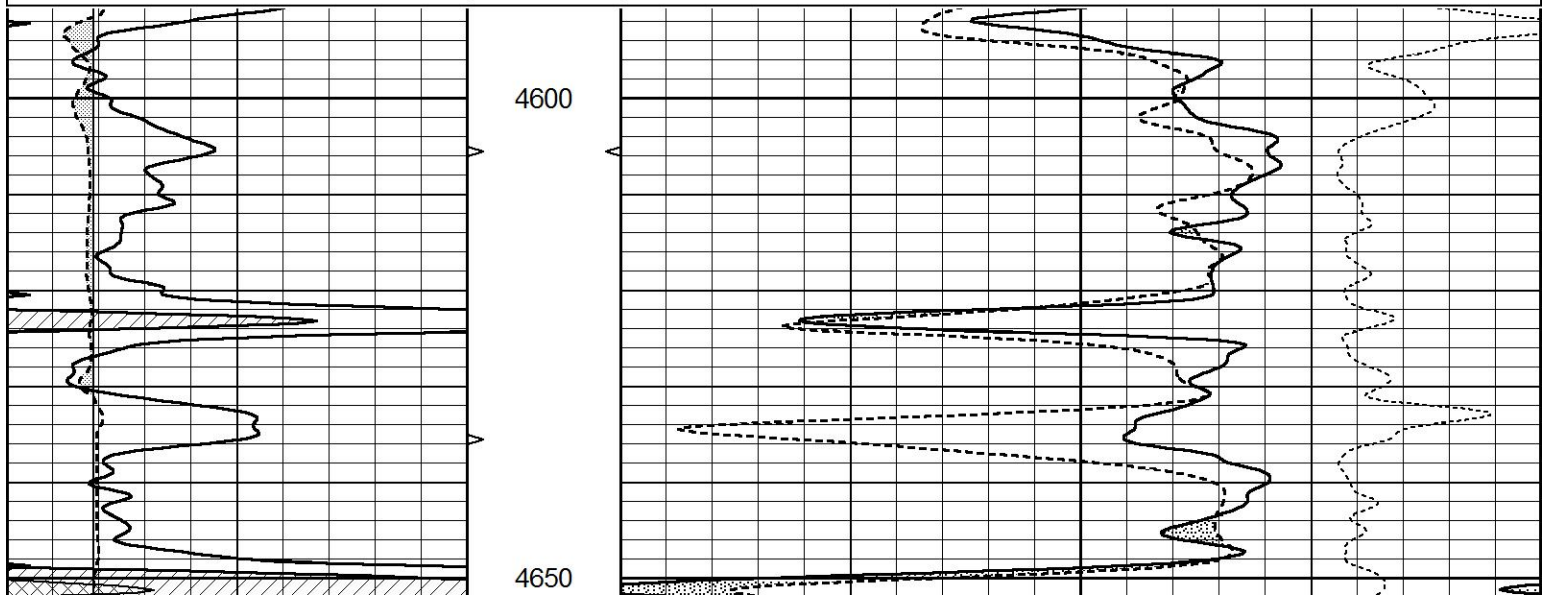


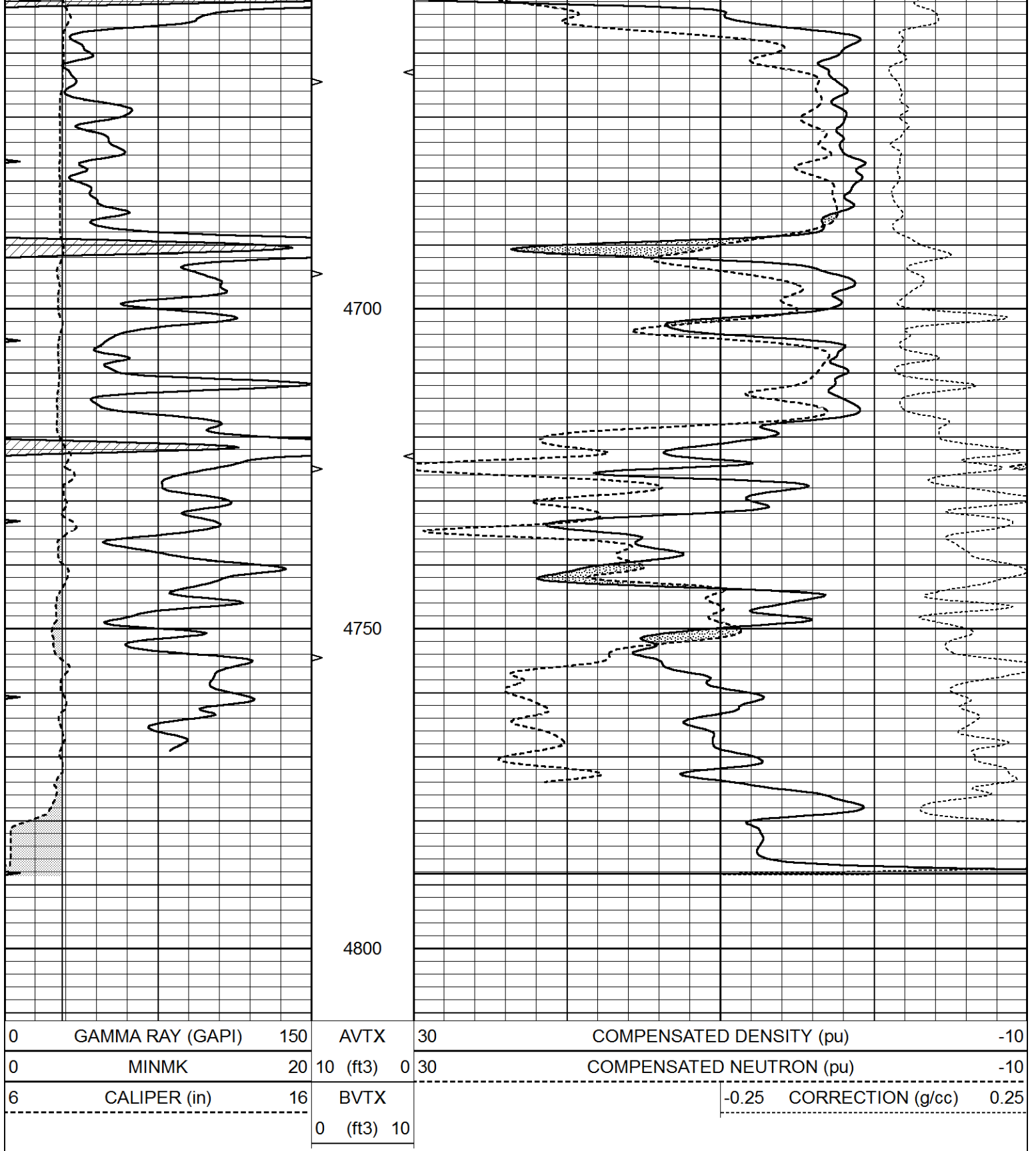


REPEAT SECTION

Database File 4735ddn.db
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 Presentation Format _den_neu
 Dataset Creation Thu Apr 09 18:42:17 2020
 Charted by Depth in Feet scaled 1:240

0	GAMMA RAY (GAPI)	150	AVTX	30	COMPENSATED DENSITY (pu)	-10
0	MINMK	20	10 (ft3) 0	30	COMPENSATED NEUTRON (pu)	-10
6	CALIPER (in)	16	BVTX		-0.25 CORRECTION (g/cc)	0.25
			0 (ft3) 10			





Calibration Report

Database File 4735ddn.db
 Dataset Pathname pass2.1
 Dataset Creation Thu Apr 09 18:42:17 2020

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

Surface Calibration								
Loop:	Readings			References			Results	
	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		

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: Tue Dec 10 10:02:55 2019

Calibrator Value: 1.0 GAPI

Background Reading: 0.0 cps
Calibrator Reading: 1.0 cps

Sensitivity: 0.4800 GAPI/cps