



COMPENSATED DENSITY/NEUTRON LOG

Company GLOBE OPERATING, INC.

Well WILLIAMS #5

Field SMALLWOOD

County STAFFORD State KANSAS

Location: API # : 15-185-24072-0000

1640' FNL & 960' FEL

SEC 11 TWP 22S RGE 14W

Other Services
DIL/MEL

Permanent Datum GROUND LEVEL Elevation 1926
Log Measured From KELLY BUSHING 8' A.G.L.
Drilling Measured From KELLY BUSHING

Elevation
K.B. 1934
D.F. 1932
G.L. 1926

Date 10/11/20

Run Number ONE

Depth Driller 3835

Depth Logger 3833

Bottom Logged Interval 3809

Top Log Interval 3200

Casing Driller 8 5/8" @ 357'

Casing Logger 356

Bit Size 7 7/8

Type Fluid in Hole CHEMICAL MUD CHLORIDES 9300 PPM

Density / Viscosity 9.2/54

pH / Fluid Loss 10.5/10.8

Source of Sample FLOWLINE

Rm @ Meas. Temp .40 @ 80F

Rmf @ Meas. Temp .30 @ 80F

Rmc @ Meas. Temp .48 @ 80F

Source of Rmf / Rmc MEASUREMENT

Rm @ BHT .27 @ 115F

Time Circulation Stopped 2 HOURS

Time Logger on Bottom 111F

Maximum Recorded Temperature 115F

Equipment Number 3802

Location HAYS, KANSAS

Recorded By JASON CAPPELLUCCI

Witnessed By CHAD COUNTS

<<< 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

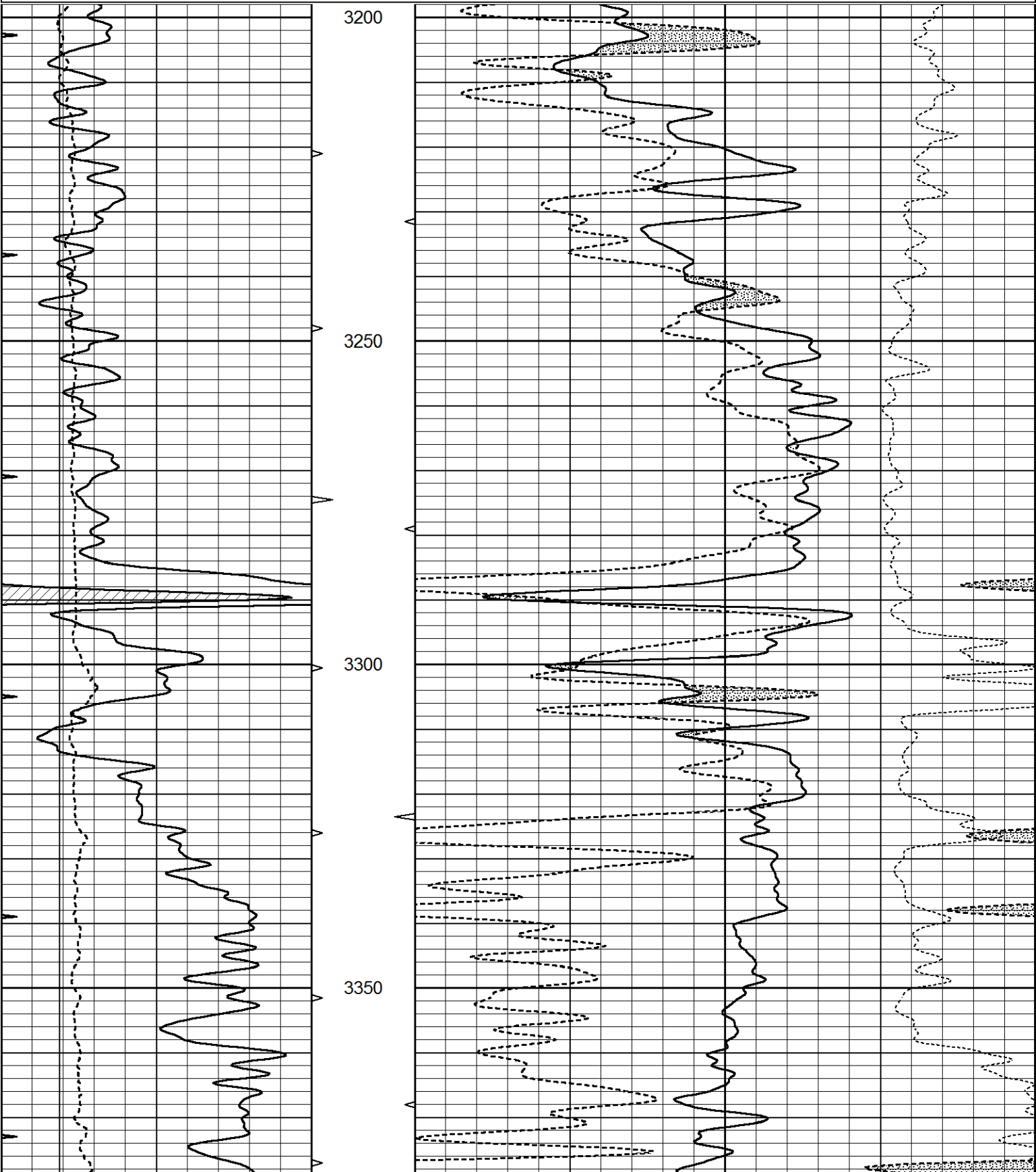
THANK YOU FOR USING ELI WIRELINE SERVICES, HAYS, KS. (785) 628-6395
DIRECTIONS
RADIUM, KS. - 4 EAST ON HWY 19 - 1/2 SOUTH - WEST INTO

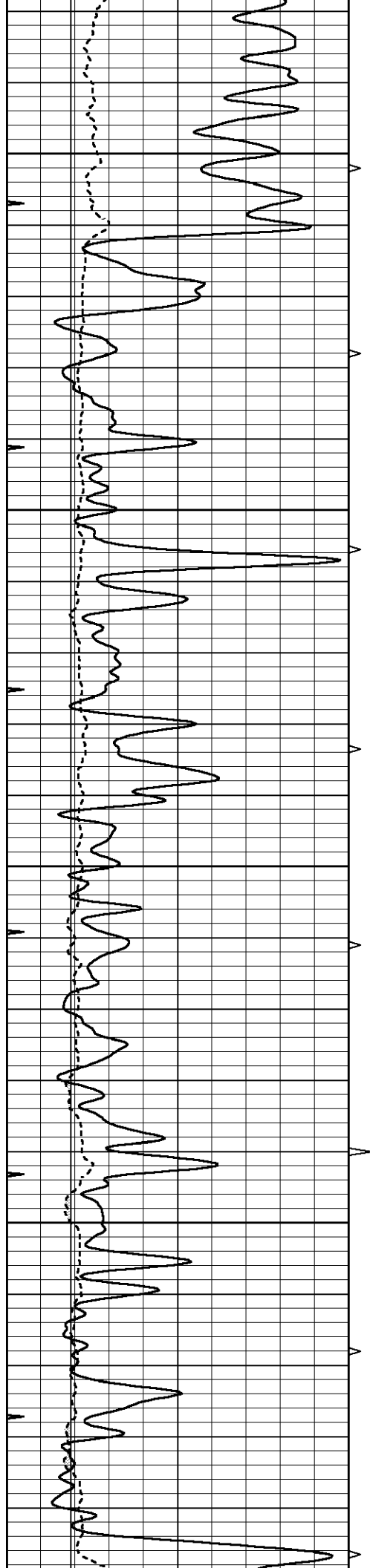


MAIN SECTION

Database File	5230ddn.db
Dataset Pathname	pass4.1
Presentation Format	_den_neu
Dataset Creation	Sun Oct 11 21:38:38 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			



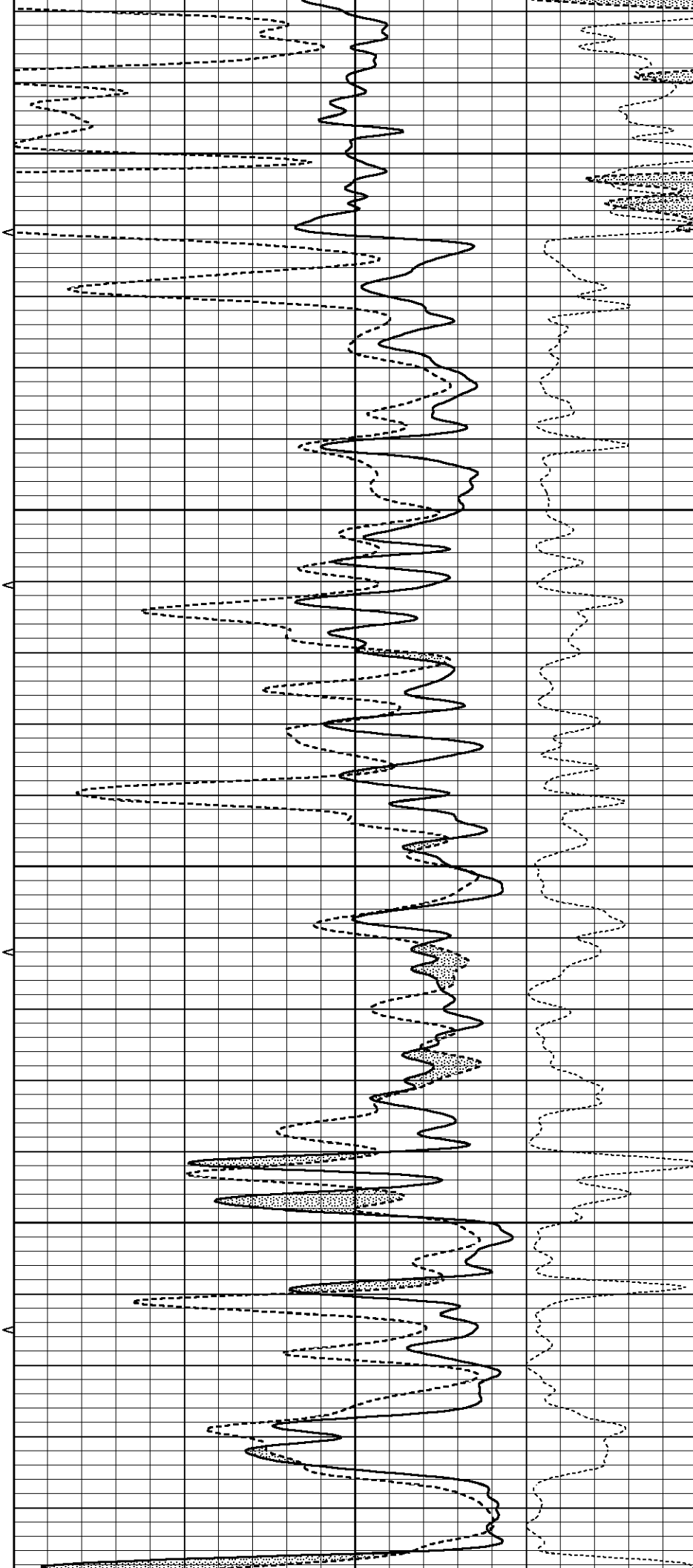


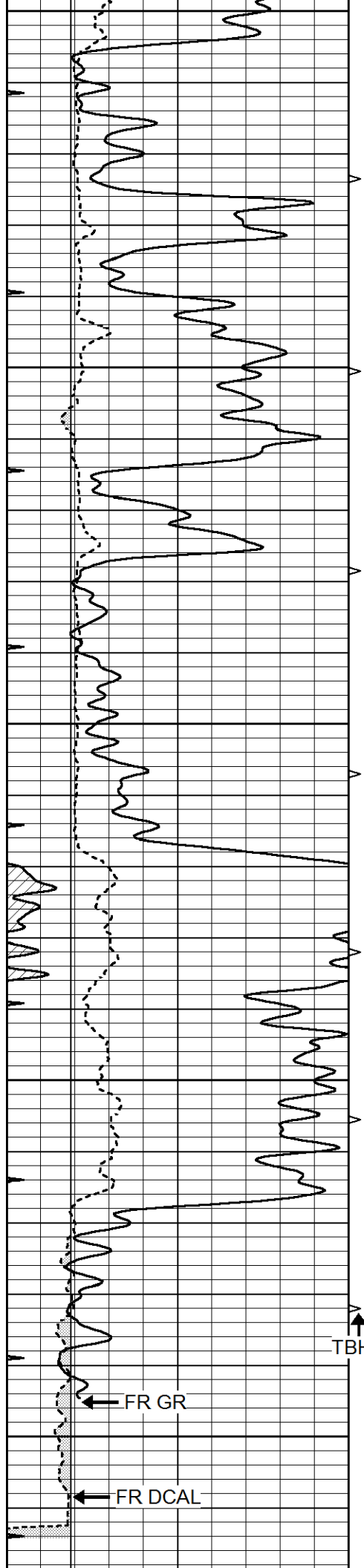
3400

3450

3500

3550





3600

3650

3700

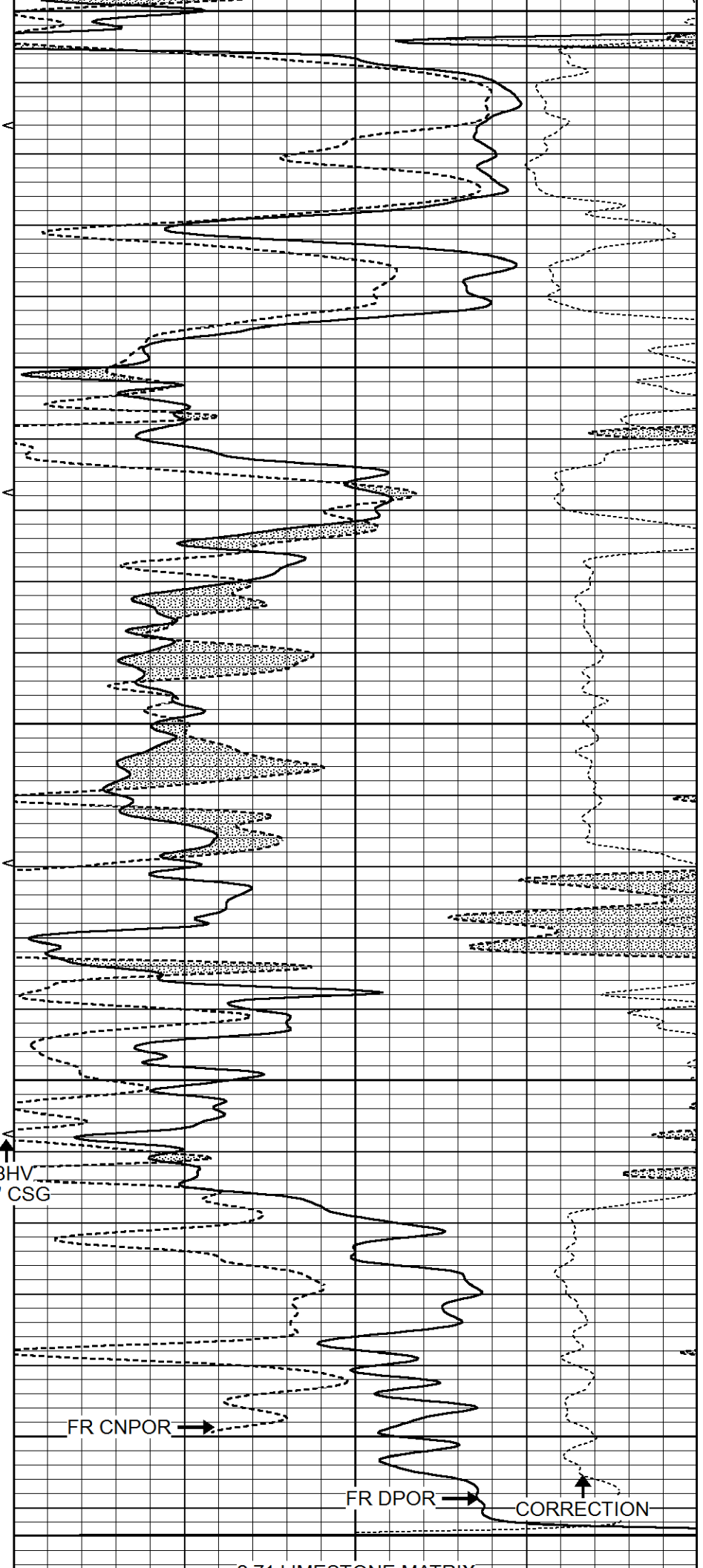
3750

3800

TBHV

FR GR

FR DCAL



ABHV
5.5" CSG

FR CNPOR

FR DPOR

CORRECTION

0.34 LIMESTONE MATRIX

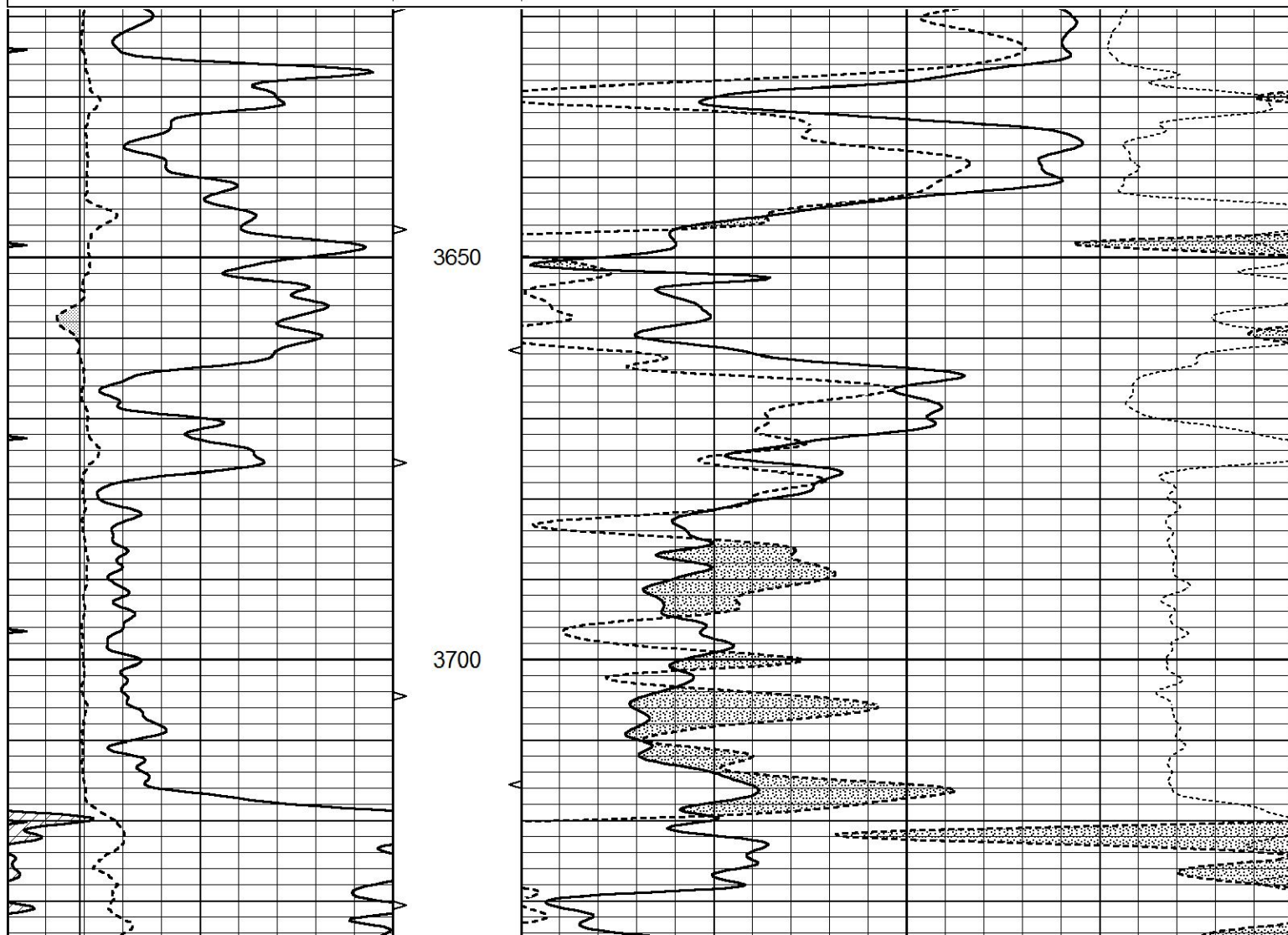
			LTD 3833					
0	GAMMA RAY (GAPI)	150	AVTX	30	COMPENSATED DENSITY (pu)	-10		
0	MINMK	20	10 (ft3) 0	30	COMPENSATED NEUTRON (pu)	-10		
6	CALIPER (in)	16	BVTX		-0.25 CORRECTION (g/cc)	0.25		
			0 (ft3) 10					

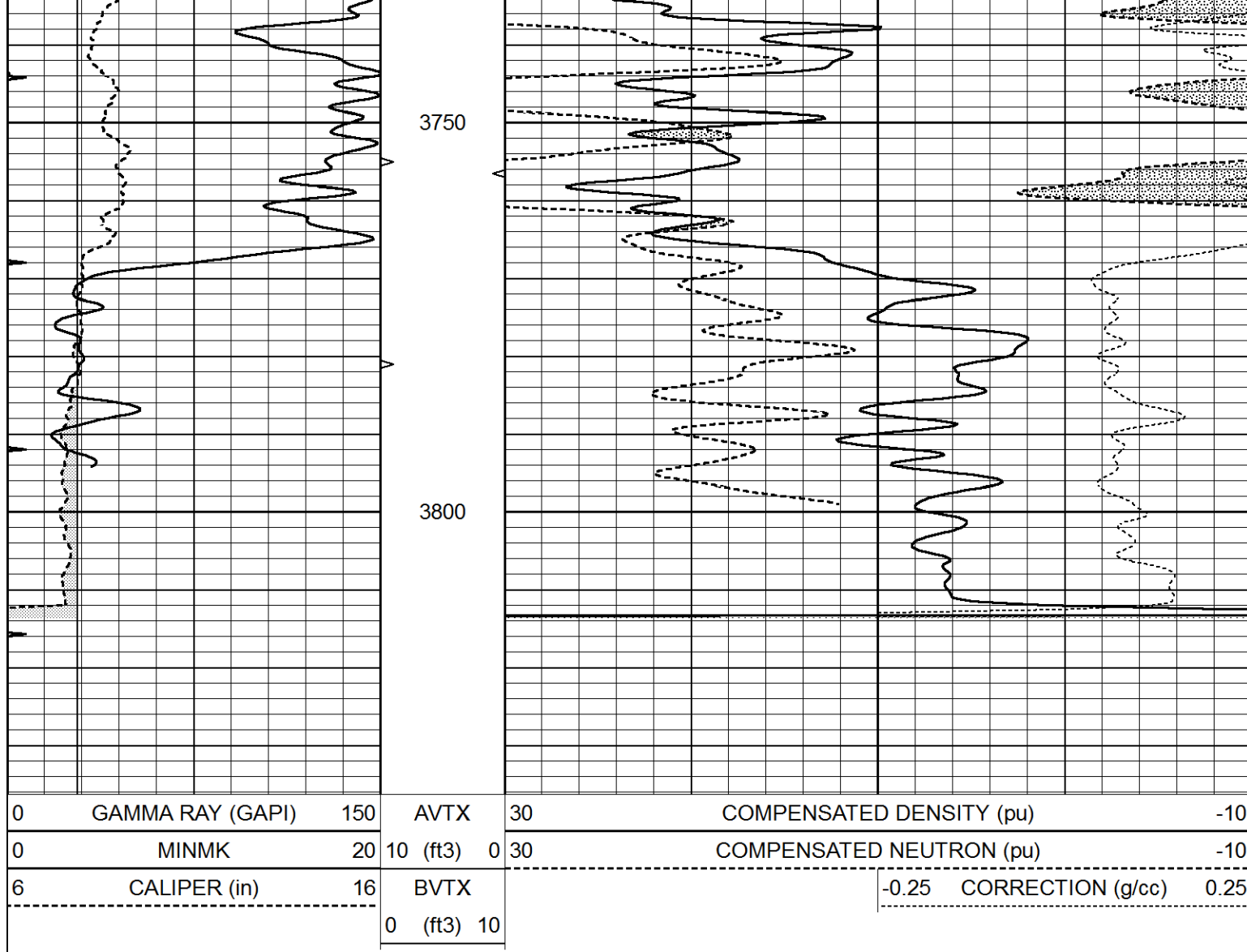


REPEAT SECTION

Database File 5230ddn.db
 Dataset Pathname pass3.1
 Presentation Format _den_neu
 Dataset Creation Sun Oct 11 21:38:08 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	5230ddn.db							
Dataset Pathname	pass3.1							
Dataset Creation	Sun Oct 11 21:38:08 2020							
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								
		Readings		References			Results	
Loop:	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		5000.000	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		
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			