



COMPENSATED DENSITY / NEUTRON LOG

Company CASTLE RESOURCES, INC.

Well LATTIN #1

Field UNNAMED

County OSBORNE State KANSAS

Location: API # : 15-141-20493-0000

1520' FSL & 365' FEL

SEC 33 TWP 10S RGE 13W

SW - SE - NE - SE

Permanent Datum GROUND LEVEL Elevation 1670
Log Measured From KELLY BUSHING 5' A.G.L.
Drilling Measured From KELLY BUSHING

Other Services
DILMEL

Elevation

K.B. 1675
D.F. 1673
G.L. 1670

Date 2/18/22

Run Number ONE

Depth Driller 3149

Depth Logger 3148

Bottom Logged Interval 3124

Top Log Interval 2500

Casing Driller 8 5/8"@371'

Casing Logger 366

Bit Size 7 7/8"

Type Fluid in Hole CHEMICAL MUD

Density / Viscosity 9.2/47

pH / Fluid Loss 9.5/12.9

Source of Sample FLOWLINE

Rm @ Meas. Temp .290@65F

Rmf @ Meas. Temp .218@65F

Rmc @ Meas. Temp .348@65F

Source of Rmf / Rmc MEASUREMENT

Rm @ BHT .175@108F

Time Circulation Stopped 2 HOURS

Time Logger on Bottom 108F

Maximum Recorded Temperature 10:00 P.M.

Equipment Number 922339

Location HAYS, KANSAS

Recorded By JEFF LUEBBERS

Witnessed By JERRY GREEN

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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.

15-141-20493-0000

Comments

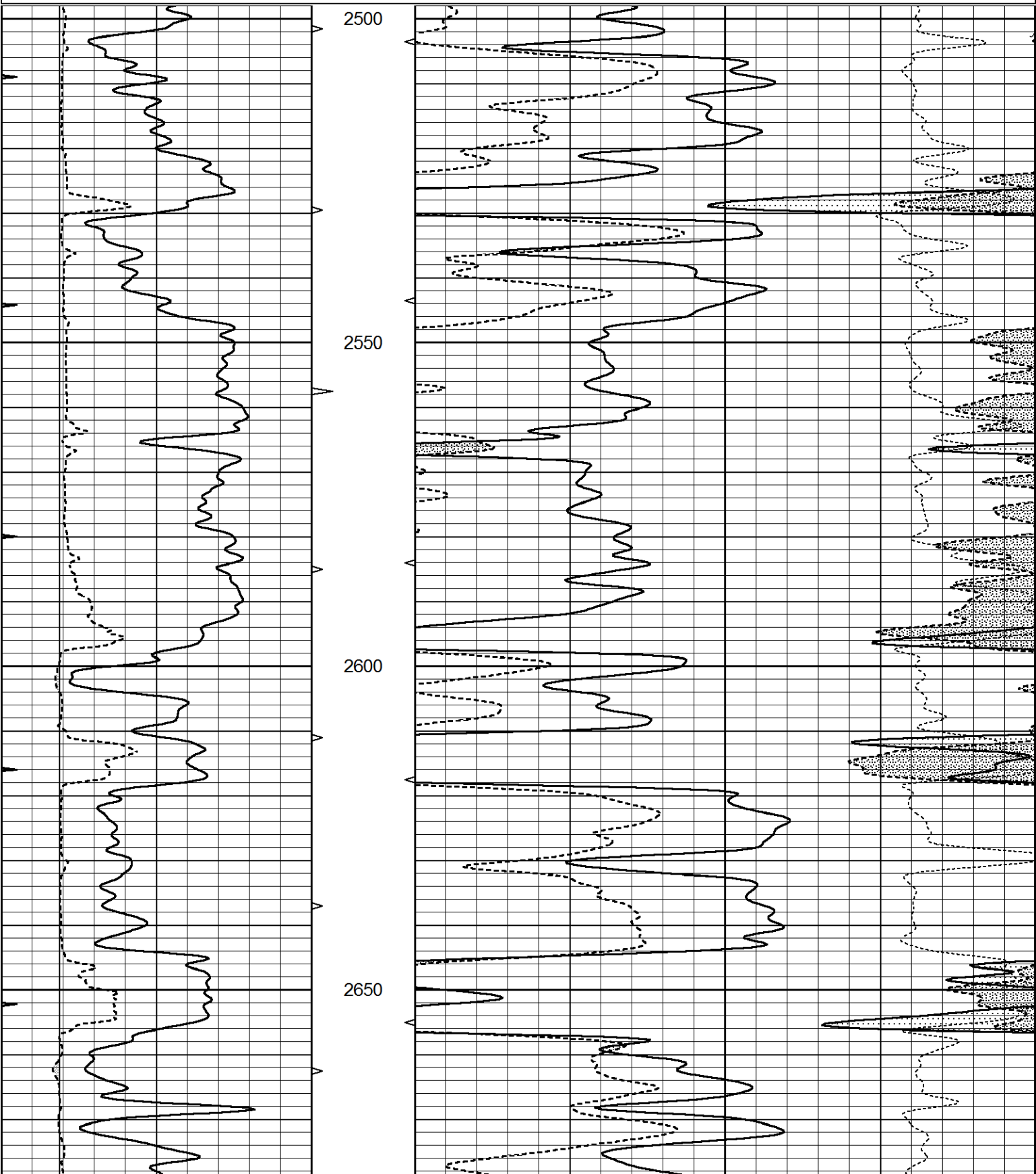
THANK YOU FOR USING ELI WIRELINE HAYS, KANSAS (785) 628-6395
DIRECTIONS
WALDO, KS., 2E. ON HWY 18 TO "190TH ST.", 1N., 1/2W., 1/2N., W. INTO

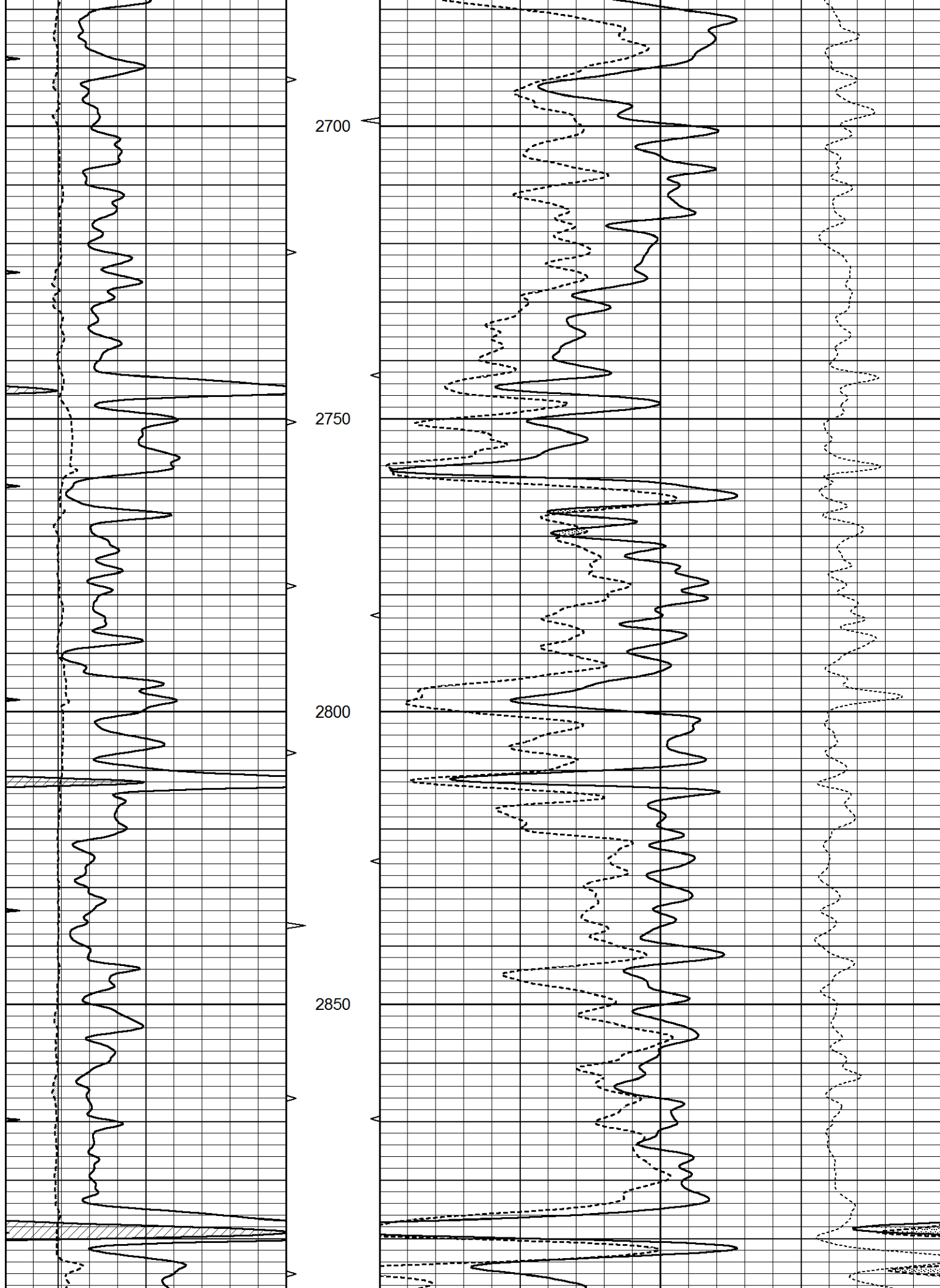


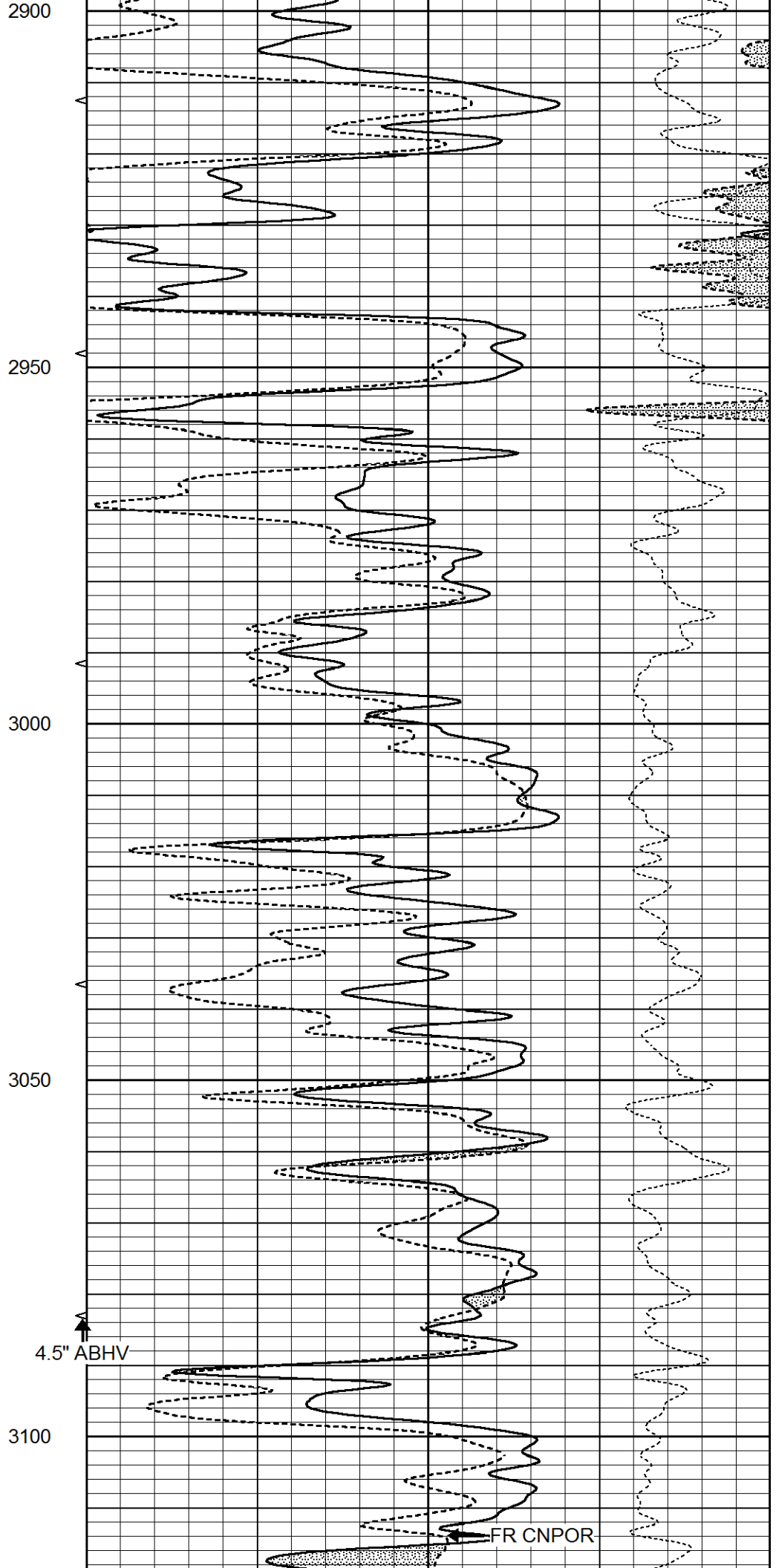
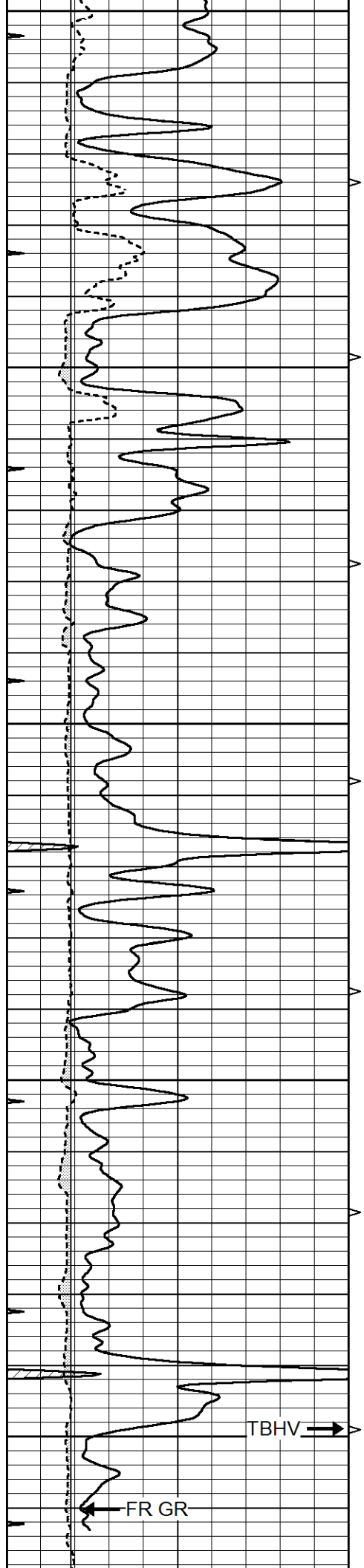
MAIN SECTION

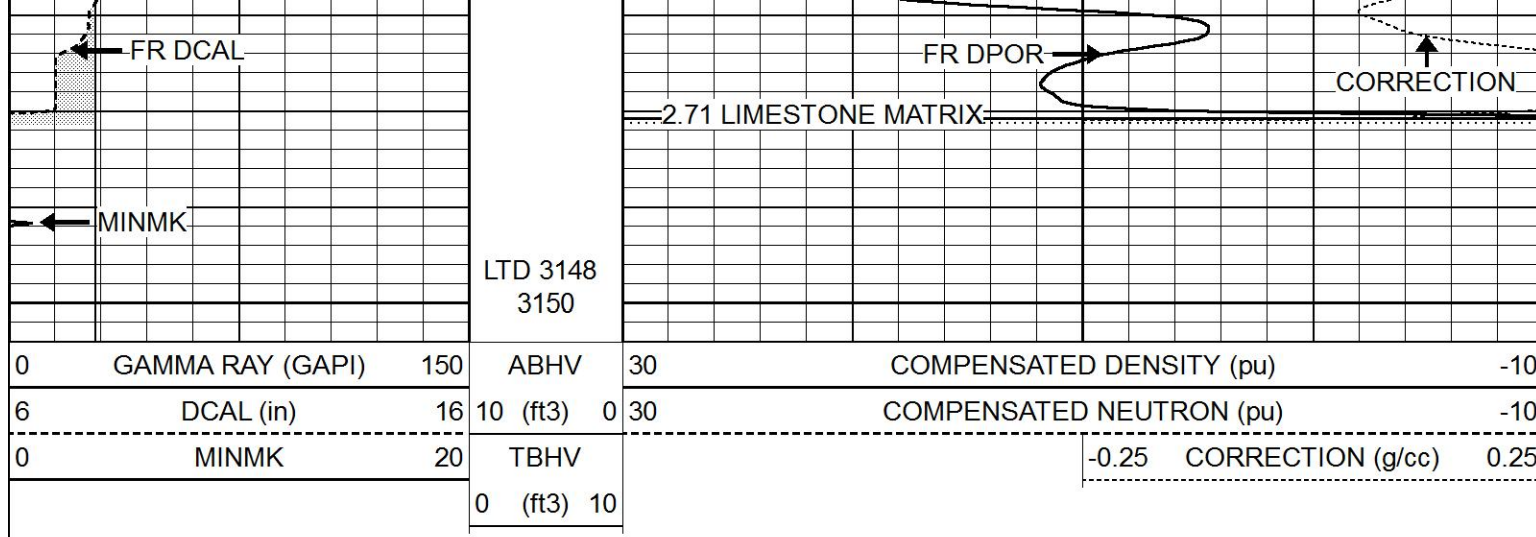
Database File	6251ddn.db
Dataset Pathname	pass3.1M
Presentation Format	den_neu
Dataset Creation	Fri Feb 18 23:10:39 2022
Charted by	Depth in Feet scaled 1:240

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





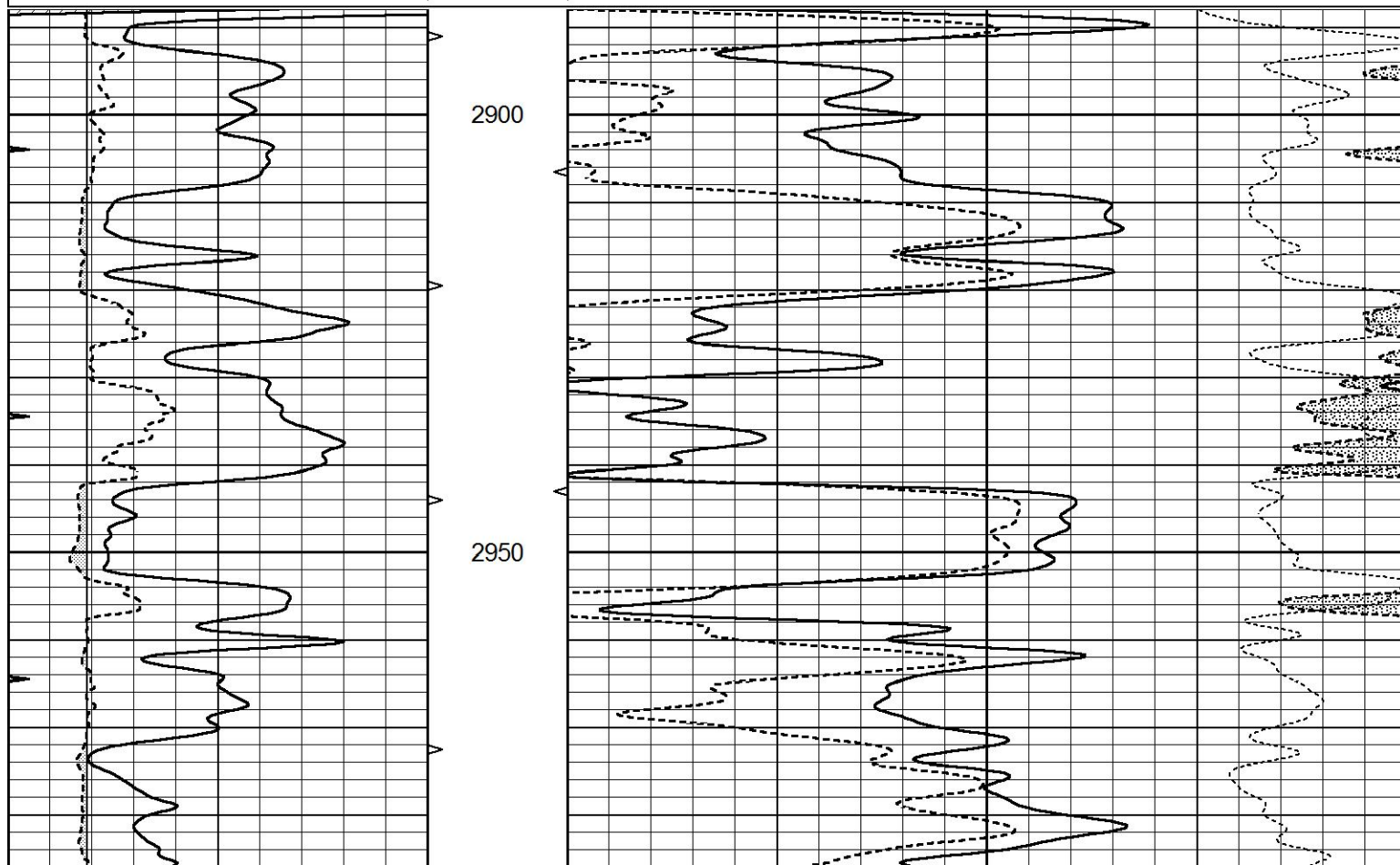


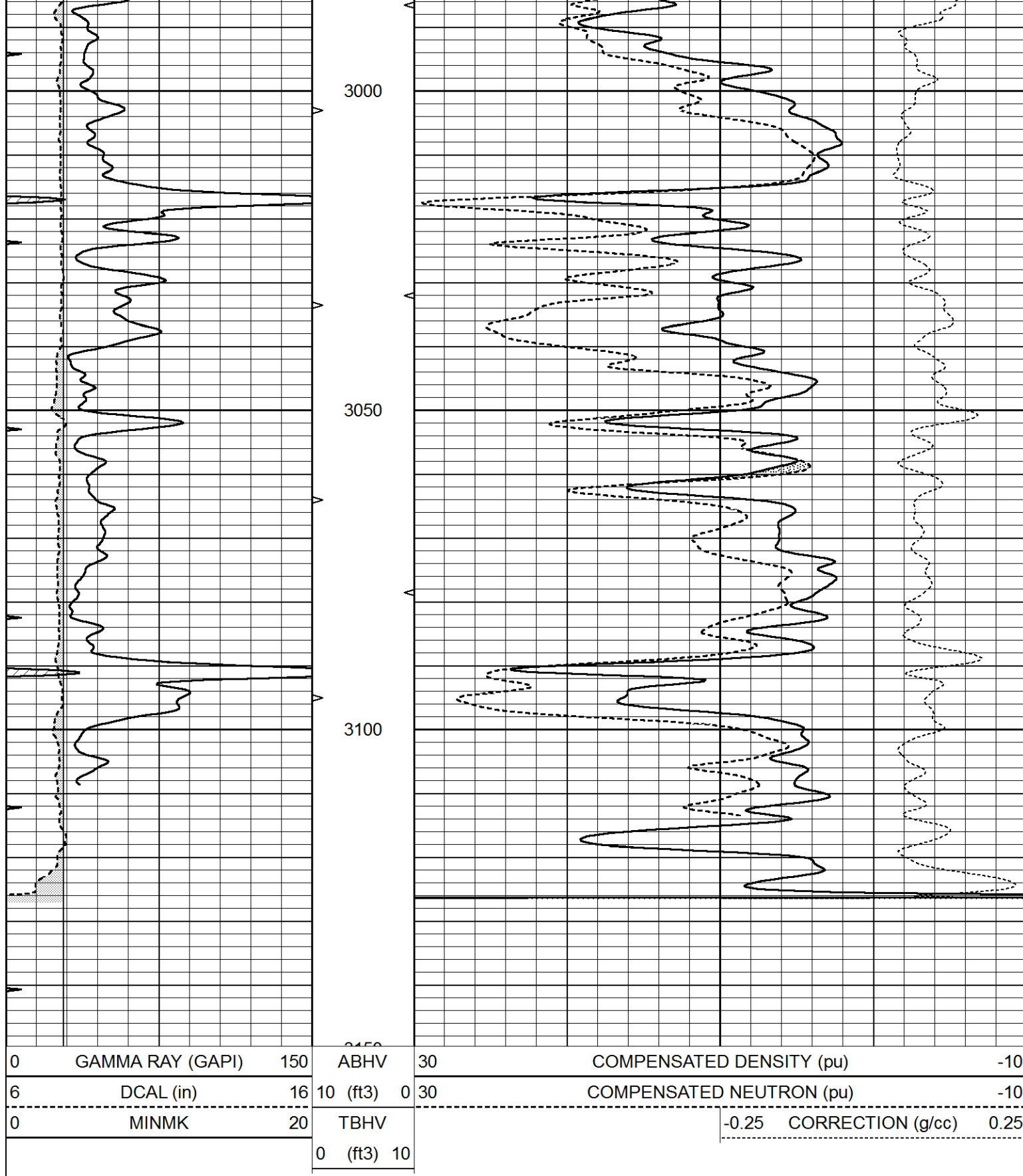


REPEAT SECTION

Database File 6251ddn.db
 Dataset Pathname pass2.3
 Presentation Format den_neu
 Dataset Creation Fri Feb 18 23:50:10 2022
 Charted by Depth in Feet scaled 1:240

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





Calibration Report

Database File 6251ddn.db
 Dataset Pathname pass3.1M
 Dataset Creation Fri Feb 18 23:10:39 2022

Dual Induction Calibration Report

Serial-Model: PROBE9-DILG
 Surface Cal Performed: Fri Feb 18 22:34:04 2022

Surface Calibration								
Readings			References			Results		
Loop:	Air	Loop		Air	Loop		m	b
Deep	-0.014	0.629	V	0.000	400.000	mmho/m	720.000	-10.000
Medium	0.039	0.728	V	0.000	464.000	mmho/m	720.000	-24.000
Internal:	Zero	Cal		Zero	Cal		m	b
Deep	0.011	0.610	V	0.000	400.000	mmho/m	667.135	-7.256
Medium	0.005	0.712	V	0.000	464.000	mmho/m	655.677	-3.102

Downhole Calibration								
Readings			References			Results		
	Zero	Cal		Zero	Cal		m'	b'
Deep	0.000	0.000	mmho/m	14.508	388.384	mmho/m	1.000	0.000
Medium	0.000	0.000	mmho/m	166.367	504.400	mmho/m	1.000	0.000
LL3		7.500	V		1400.000	Ohm-m		
		0.000	V		20.000	Ohm-m		
		-7.200	V		4000.000	mmho-m		

After Survey Verification								
Readings			Targets			Results		
	Zero	Cal		Zero	Cal		m'	b'
Deep	0.000	0.000	mmho/m	0.000	0.000	mmho/m	0.000	0.000
Medium	0.000	0.000	mmho/m	0.000	0.000	mmho/m	0.000	0.000
LL3		1.000	Ohm-m		1.000	Ohm-m		
		0.000	Ohm-m		0.000	Ohm-m		
		1.000	mmho-m		1.000	mmho-m		

Litho Density Calibration Report								
Serial: 001			Model: PRB					

Master Calibration					Performed Mon May 11 11:33:29 2020			
	Background	Magnesium	Aluminum	Aluminum+Fe				
Window 1	1593.8	10211.9	3449.0	3132.1				cps
Window 2	1486.7	8824.2	3065.6	2829.4				cps
Window 3	1206.8	4705.7	1944.6	1871.7				cps
Window 4	361.0	367.9	364.8	363.1				cps
Long Space	0.0	7337.5	1578.9	1342.7				cps
Short Space	2.7	2543.4	1657.9	1382.7				cps
Rho		1.7100	2.5900	0.0000				g/cc
Pe		2.0000	2.7500	5.7900				
Rib Angle	: 44.4	Rib Slope	: 0.980	Density/Spine Ratio			: 0.552	
Spine Angle	: 74.4	Spine Slope	: 3.590	Spine Intercept			: -19.2	

Before Survey Verification					Performed Wed Dec 31 18:00:00 1969			
Window 1	0.0	0.0	0.0	0.0				cps
Window 2	0.0	0.0	0.0	0.0				cps
Window 3	0.0	0.0	0.0	0.0				cps
Window 4	0.0	0.0	0.0	0.0				cps
Long Space	0.0	0.0	0.0	0.0				cps
Short Space	0.0	0.0	0.0	0.0				cps
Measured Rho	0.0000	0.0000	0.0000	0.0000				g/cc

Measured Rho	0.0000	0.0000	0.0000	g/cc
Measured Correction	0.0000	0.0000	0.0000	g/cc
Measured Pe		0.0000	0.0000	
After Survey Verification				
Performed Wed Dec 31 18:00:00 1969				
Window 1	0.0	0.0	0.0	cps
Window 2	0.0	0.0	0.0	cps
Window 3	0.0	0.0	0.0	cps
Window 4	0.0	0.0	0.0	cps
Long Space	0.0	0.0	0.0	cps
Short Space	0.0	0.0	0.0	cps
Measured Rho		0.0000	0.0000	g/cc
Measured Correction		0.0000	0.0000	g/cc
Measured Pe			0.0000	
Compensated Neutron Calibration Report				
Serial Number:		070808PMC		
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:	070558			
Tool Model:	OPEN_GR			
Performed:	Thu Feb 17 10:38:40 2022			
Calibrator Value:	1.0	GAPI		
Background Reading:	0.0	cps		
Calibrator Reading:	1.0	cps		
Sensitivity:	0.2800	GAPI/cps		