



COMPENSATED DENSITY/NEUTRON LOG

Company	PHILLIPS EXPLORATION CO. L.C.	Company	PHILLIPS EXPLORATION COMPANY, L.C.
Well	WALT #1-16	Well	WALT #1-16
Field	WILDCAT	Field	WILDCAT
County	TREGO	County	TREGO
State	KANSAS	State	KANSAS
Location:	API # : 15-195-23179-0000	Other Services	DIL
Permanent Datum	GROUND LEVEL	Elevation	2451
Log Measured From	KELLY BUSHING 5' A.G.L.	K.B. 2456	
Drilling Measured From	KELLY BUSHING	D.F. 2454	
		G.L. 2451	
Date	8/21/24		
Run Number	ONE		
Depth Driller	4100		
Depth Logger	4098		
Bottom Logged Interval	4074		
Top Log Interval	3200		
Casing Driller	8.625@225		
Casing Logger	225		
Bit Size	7.785		
Type Fluid in Hole	CHEMICAL MUD	CHLORIDES 4.000 PPM	
Density / Viscosity	9.1/60		
pH / Fluid Loss	9.2/9.2		
Source of Sample	FLOWLINE		
Rm @ Meas. Temp	.750@84F		
Rmf @ Meas. Temp	.563@84F		
Rmc @ Meas. Temp	.900@84F		
Source of Rmf / Rmc	MEASUREMENT		
Rm @ BHT	.538@117F		
Time Circulation Stopped	2 HOURS		
Time Logger on Bottom	4.45 A.M.		
Maximum Recorded Temperature	117F		
Equipment Number	922339		
Location	HAYS, KANSAS		
Recorded By	JEFF LUEBBERS		
Witnessed By	PAT DEENIHAN		

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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.

15-195-23179-0000

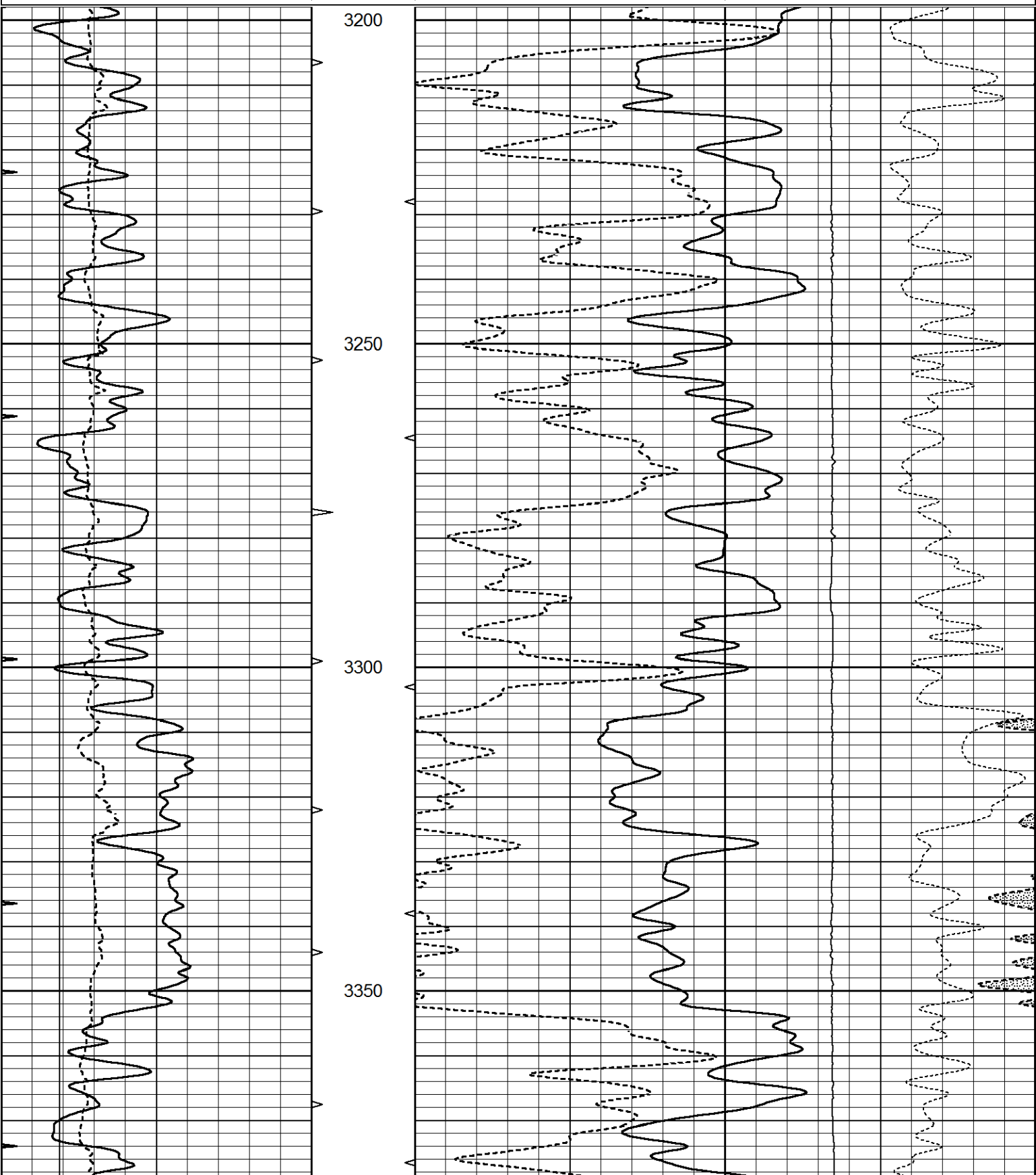
Comments

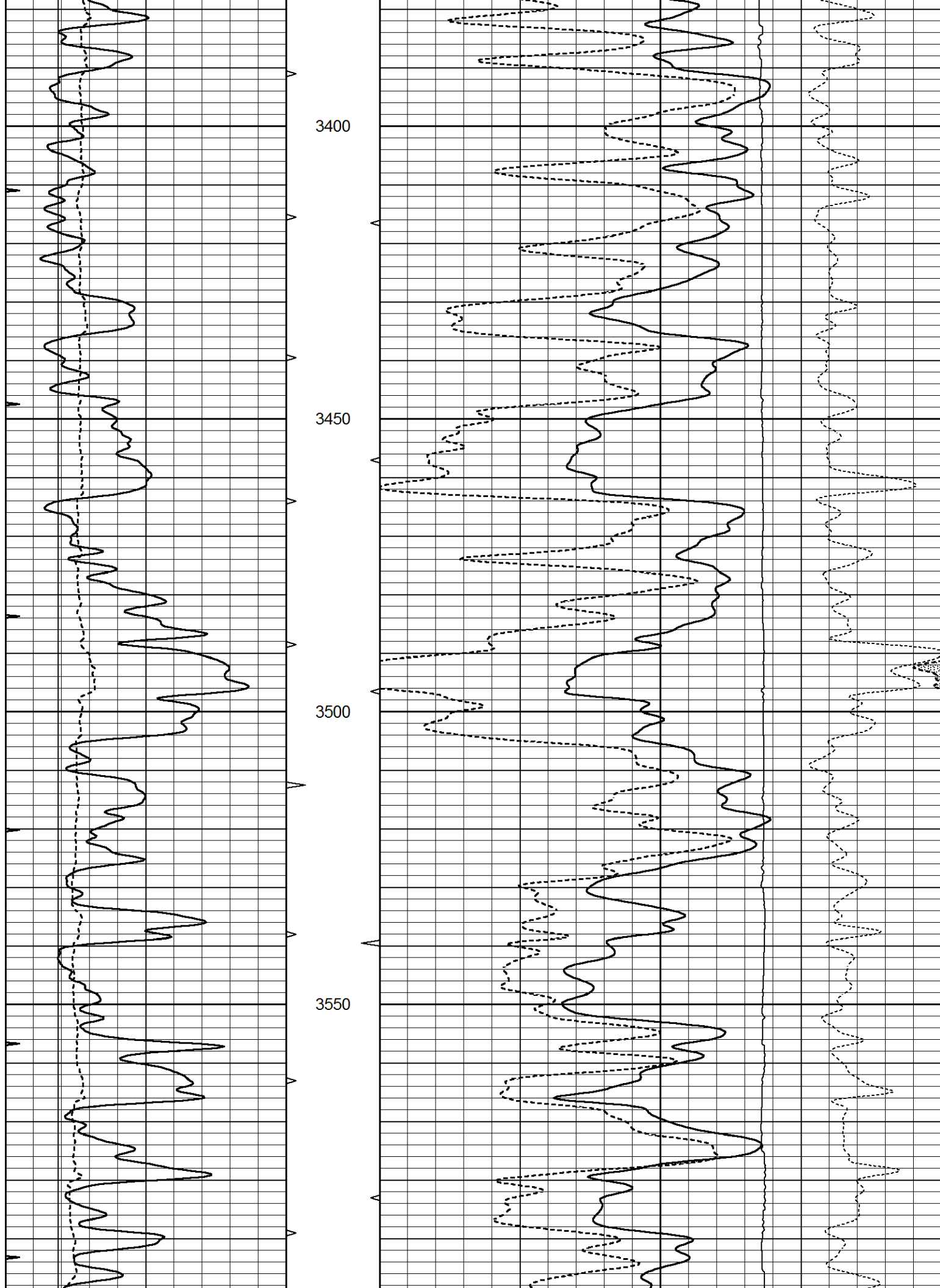
THANK YOU FOR USING ELI WIRELINE HAYS. KANSAS (785) 628-6395
DIRECTIONS
I-70 & COLLYER, KS., 8S. TO "RD. P", 1/4E., N. INTO

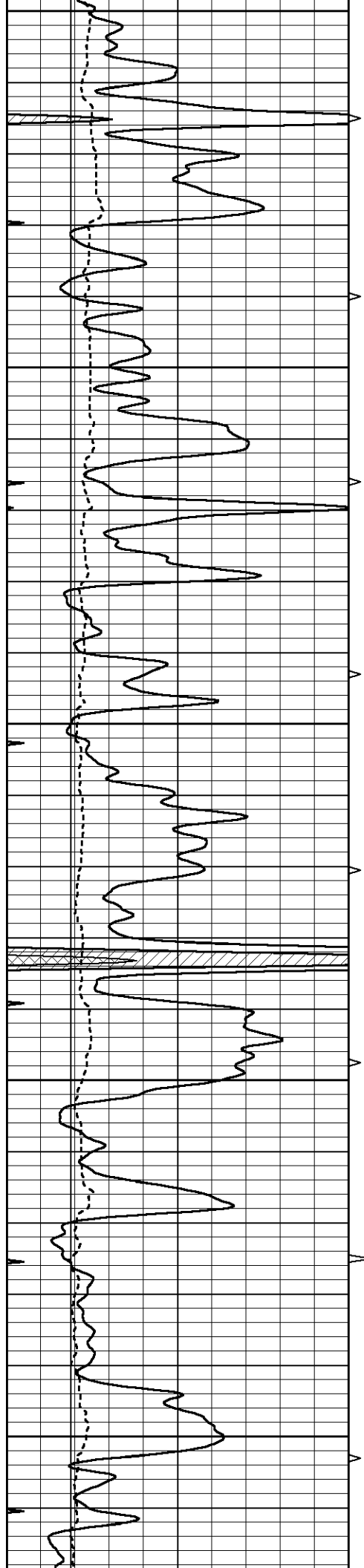


MAIN SECTION

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		0	LTEN (lb)	5000	







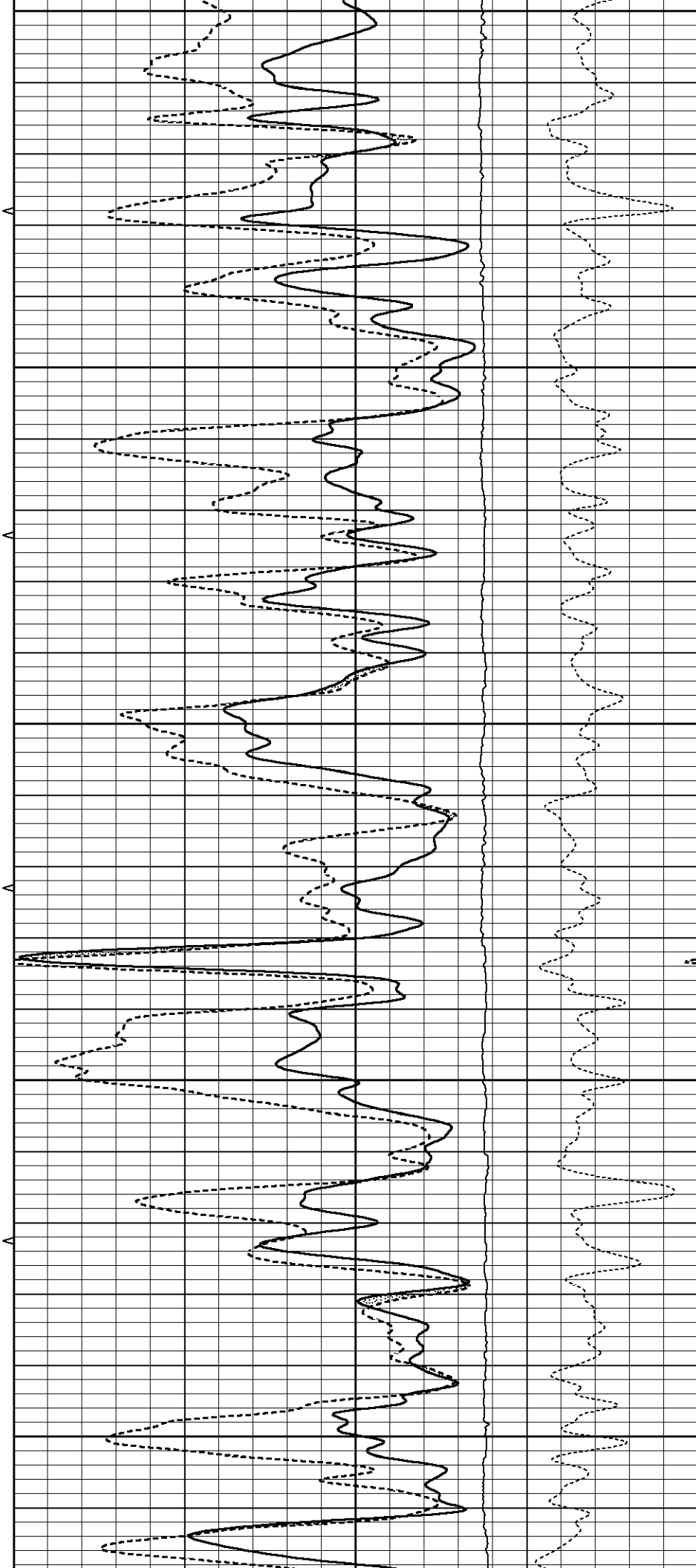
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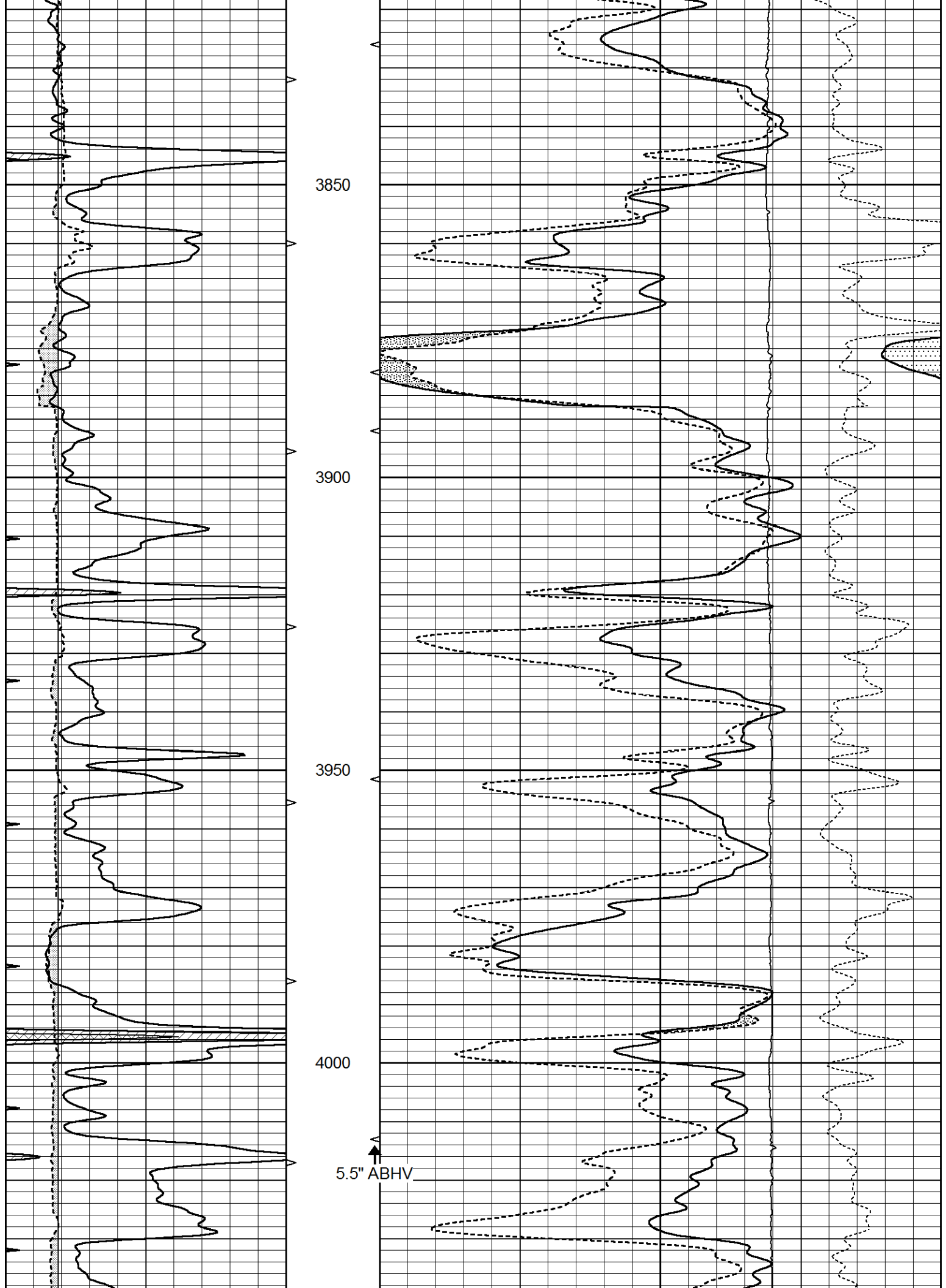
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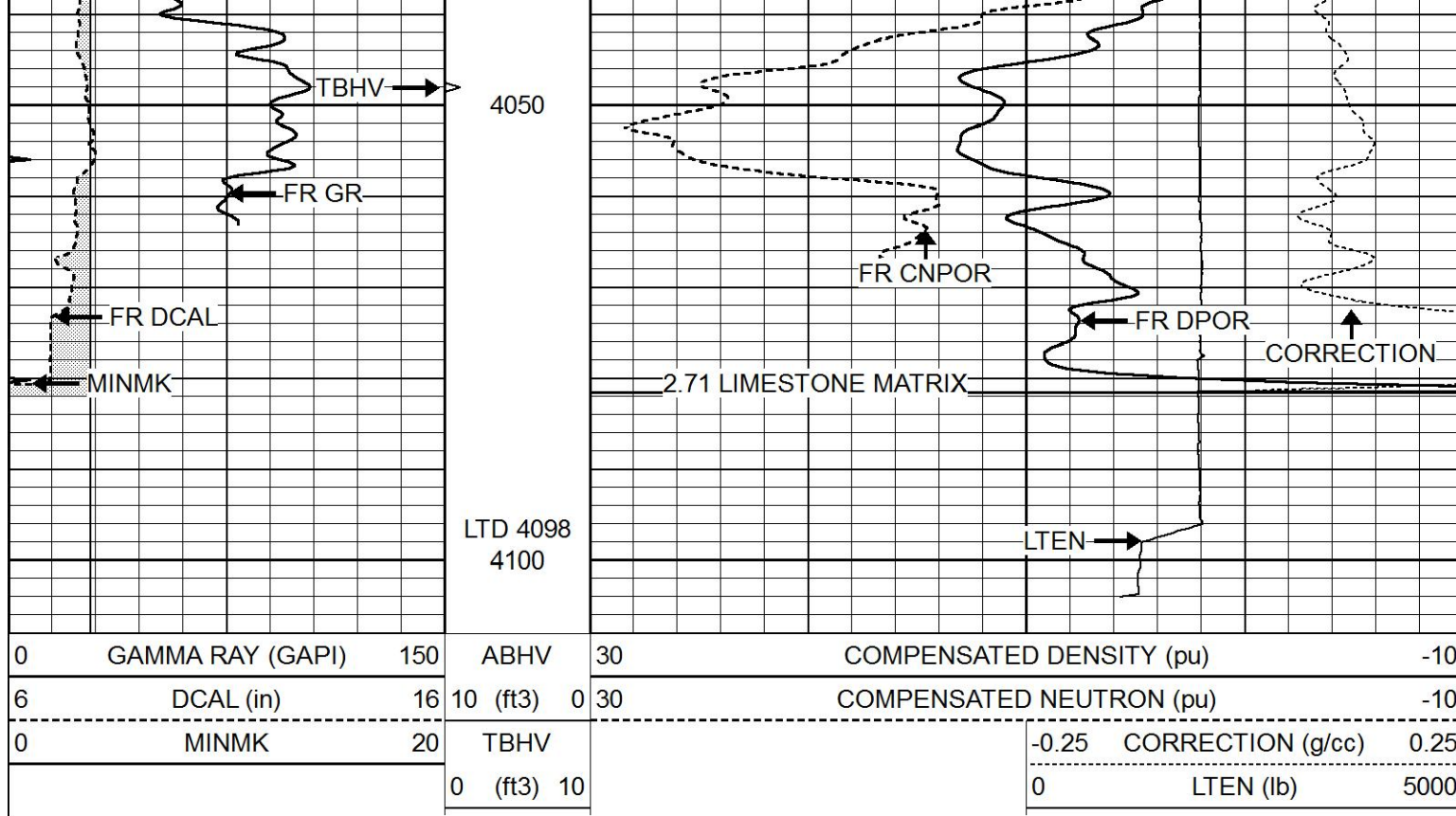
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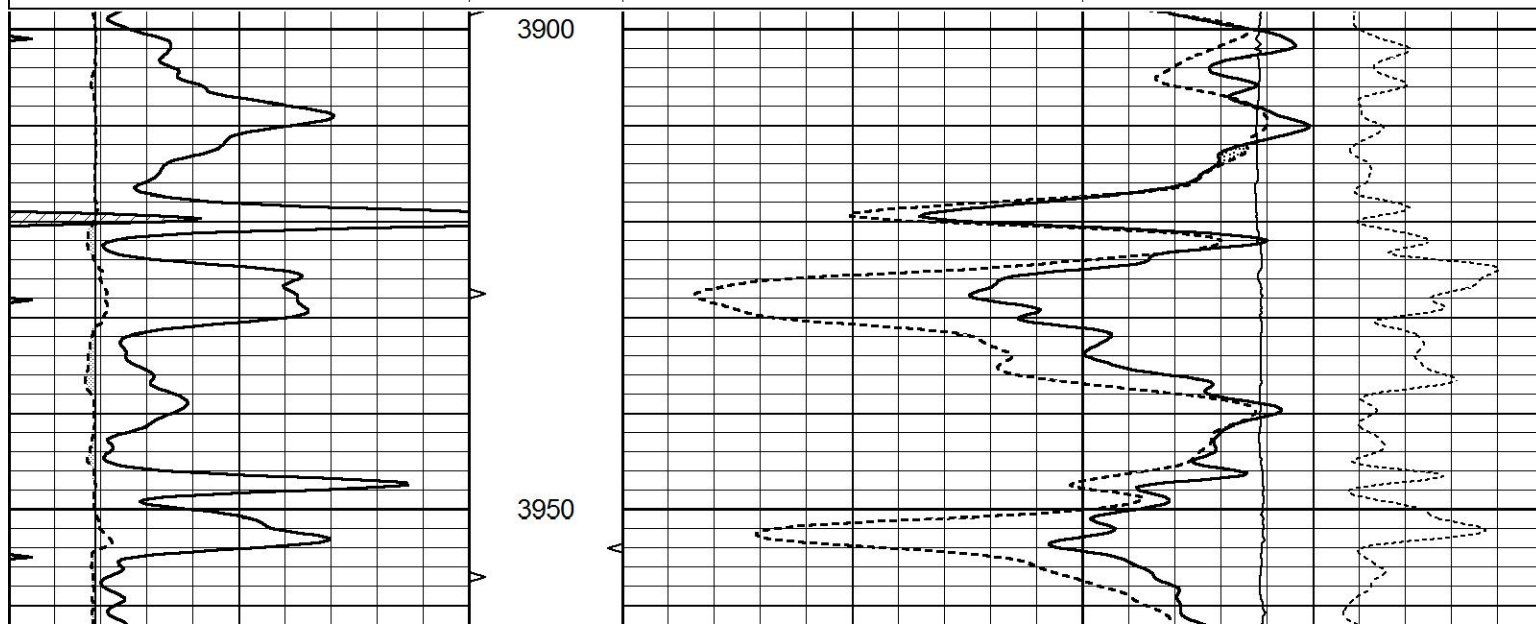


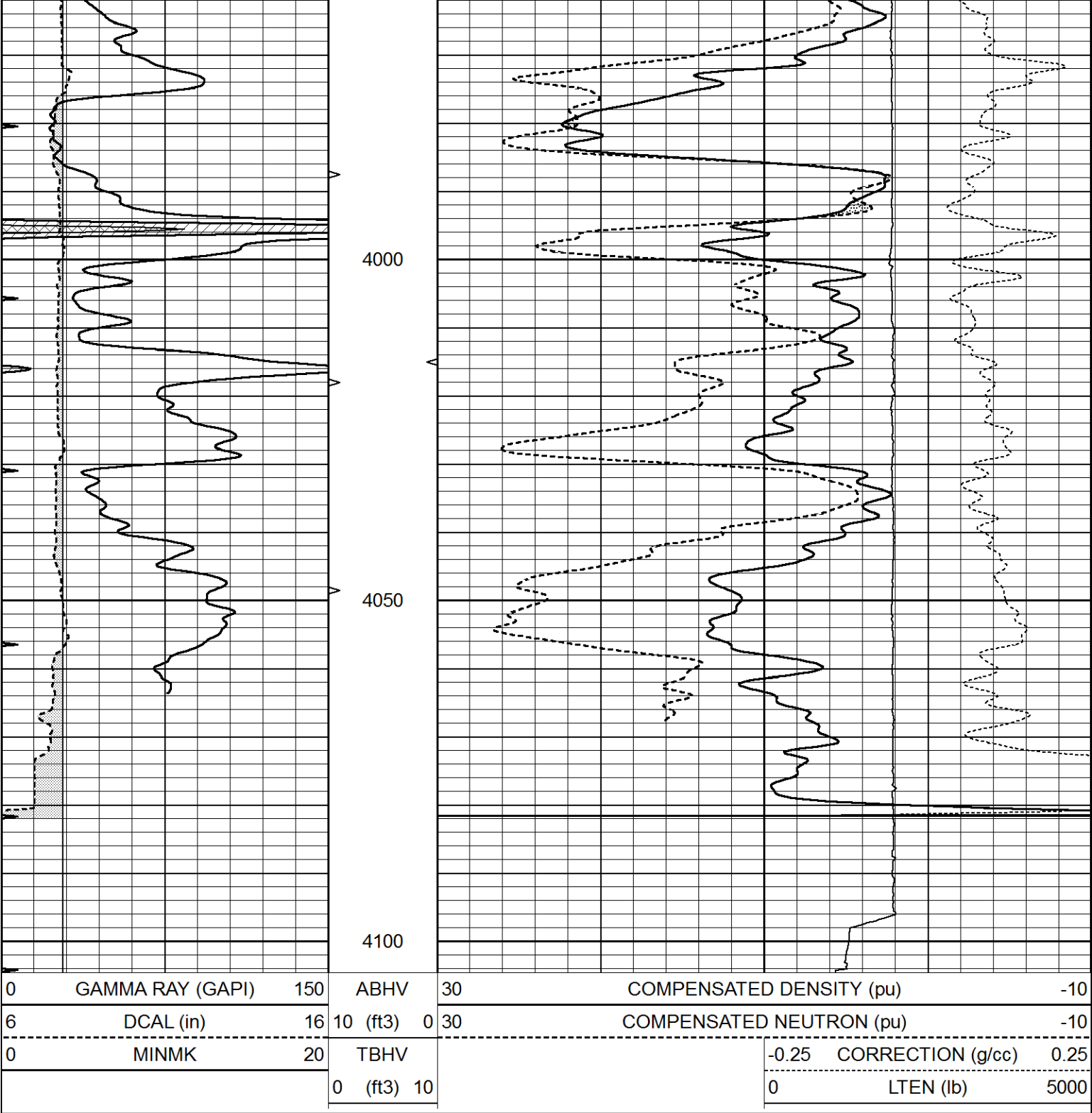


REPEAT SECTION

Database File 8735ddn.db
Dataset Pathname pass2.1R
Presentation Format _den_neu
Dataset Creation Wed Aug 21 06:14:53 2024
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
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0	MINMK	20	TBHV		-0.25	CORRECTION (g/cc)	0.25	
			0 (ft3) 10		0	LTEN (lb)	5000	





Database File		8735ddn.db	Calibration Report			
Dataset Pathname		pass3.1M				
Dataset Creation		Wed Aug 21 06:47:18 2024				
Dual Induction Calibration Report						
Serial-Model:		PROBE8-DILG				
Surface Cal Performed:		Wed Aug 21 06:32:43 2024				
Downhole Cal Performed:		Mon Aug 14 00:39:25 2023				
After Survey Verification Performed:		Mon Jul 28 11:08:27 2008				

Surface Calibration		Readings		References		Results	
Loop:	Air	Loop	Air	Loop	m	b	

Loop.	Air	Loop		Air	Loop		m	b
Deep	0.015	0.648	V	0.000	400.000	mmho/m	660.000	10.000
Medium	0.029	0.796	V	0.000	464.000	mmho/m	650.000	0.000
Internal:	Zero	Cal		Zero	Cal		m	b
Deep	0.017	0.657	V	0.000	400.000	mmho/m	625.153	-10.619
Medium	0.016	0.757	V	0.000	464.000	mmho/m	625.992	-9.739

Downhole Calibration								
Readings			References			Results		
	Zero	Cal		Zero	Cal		m'	b'
Deep	0.000	0.000	mmho/m	2.011	405.777	mmho/m	1.000	0.000
Medium	0.000	0.000	mmho/m	7.590	503.393	mmho/m	1.000	0.000
LL3		7.500	V		1500.000	Ohm-m		
		0.000	V		20.000	Ohm-m		
		-7.200	V		3800.000	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: 004				Model: PRB				

Master Calibration					Performed Tue Aug 02 11:29:35 2022			
	Background	Magnesium	Aluminum	Aluminum+Fe				
Window 1	1154.2	10019.5	3137.9	2795.6				cps
Window 2	1054.4	8597.6	2733.4	2469.5				cps
Window 3	902.3	5241.4	1832.1	1719.3				cps
Window 4	251.9	261.1	255.8	252.9				cps
Long Space	0.0	7543.2	1679.0	1415.0				cps
Short Space	4.4	2049.3	1321.7	1116.8				cps
Rho		1.7100	2.5900	0.0000				g/cc
Pe		2.0000	2.7500	5.7900				
Rib Angle	: 43.7	Rib Slope	: 0.957	Density/Spine Ratio			: 0.562	
Spine Angle	: 73.7	Spine Slope	: 3.426	Spine Intercept			: -17.2	

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				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			
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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	g/cc
Measured Correction		0.0000	0.0000	0.0000	g/cc
Measured Pe			0.0000	0.0000	
Compensated Neutron Calibration Report					
		Serial Number:	070807PMC		
		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:		070559			
Tool Model:		OPEN_GR			
Performed:		Wed Aug 21 06:32:14 2024			
Calibrator Value:		1.0	GAPI		
Background Reading:		0.0	cps		
Calibrator Reading:		1.0	cps		
Sensitivity:		0.5000	GAPI/cps		