



COMPENSATED DENSITY/NEUTRON LOG

Company	RL INVESTMENT	Company	RL INVESTMENT
Well	BEAGLEY TRUST # 1-22	Well	BEAGLEY TRUST # 1-22
Field	UNKNOWN	Field	UNKNOWN
County	LOGAN	County	LOGAN
State	KANSAS	State	KANSAS
Location:	API # : 15-109-21546-00-00	Other Services	DIL/MEL
	904 FSL & 1414 FWL		
	SEC 22 TWP 11S RGE 32W		
Permanent Datum	GROUND LEVEL	Elevation	3017'
Log Measured From	KELLY BUSHING 7' A.G.L.		
Drilling Measured From	KELLY BUSHING		
Date	05/08/18		
Run Number	ONE		
Depth Driller	4662		
Depth Logger	4663		
Bottom Logged Interval	4639		
Top Log Interval	3700		
Casing Driller	8 5/8@ 220		
Casing Logger	220		
Bit Size	7 7/8"		
Type Fluid in Hole	CHEMICAL MUD		
Density / Viscosity	9.3/52		
pH / Fluid Loss	7.6/10.5		
Source of Sample	FLOWLINE		
Rm @ Meas. Temp	1.2@72		
Rmt @ Meas. Temp	.90@72		
Rmc @ Meas. Temp	1.44@72		
Source of Rmt / Rmc	MEASURED		
Rm @ BHT	.70@122		
Time Circulation Stopped	2 HOURS		
Time Logger on Bottom	///		
Maximum Recorded Temperature	122F		
Equipment Number	4010		
Location	HAYS, KANSAS		
Recorded By	GUS PFANENSTIEL		
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.

Comments

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

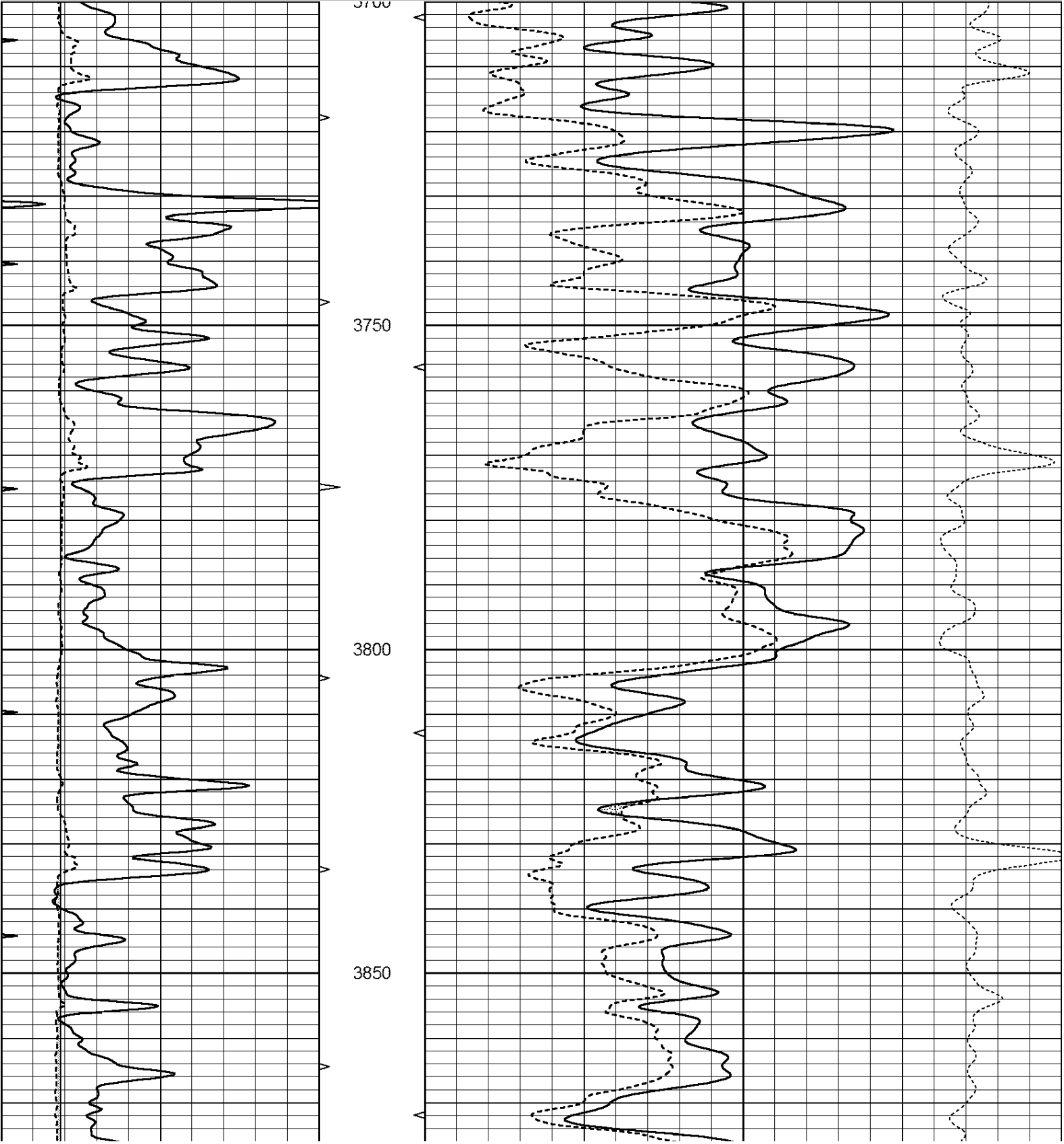
DIRECTIONS
OAKLEY WEST EXIT SOUTH TO 40,
3 MORE SOUTH, EAST INTO.

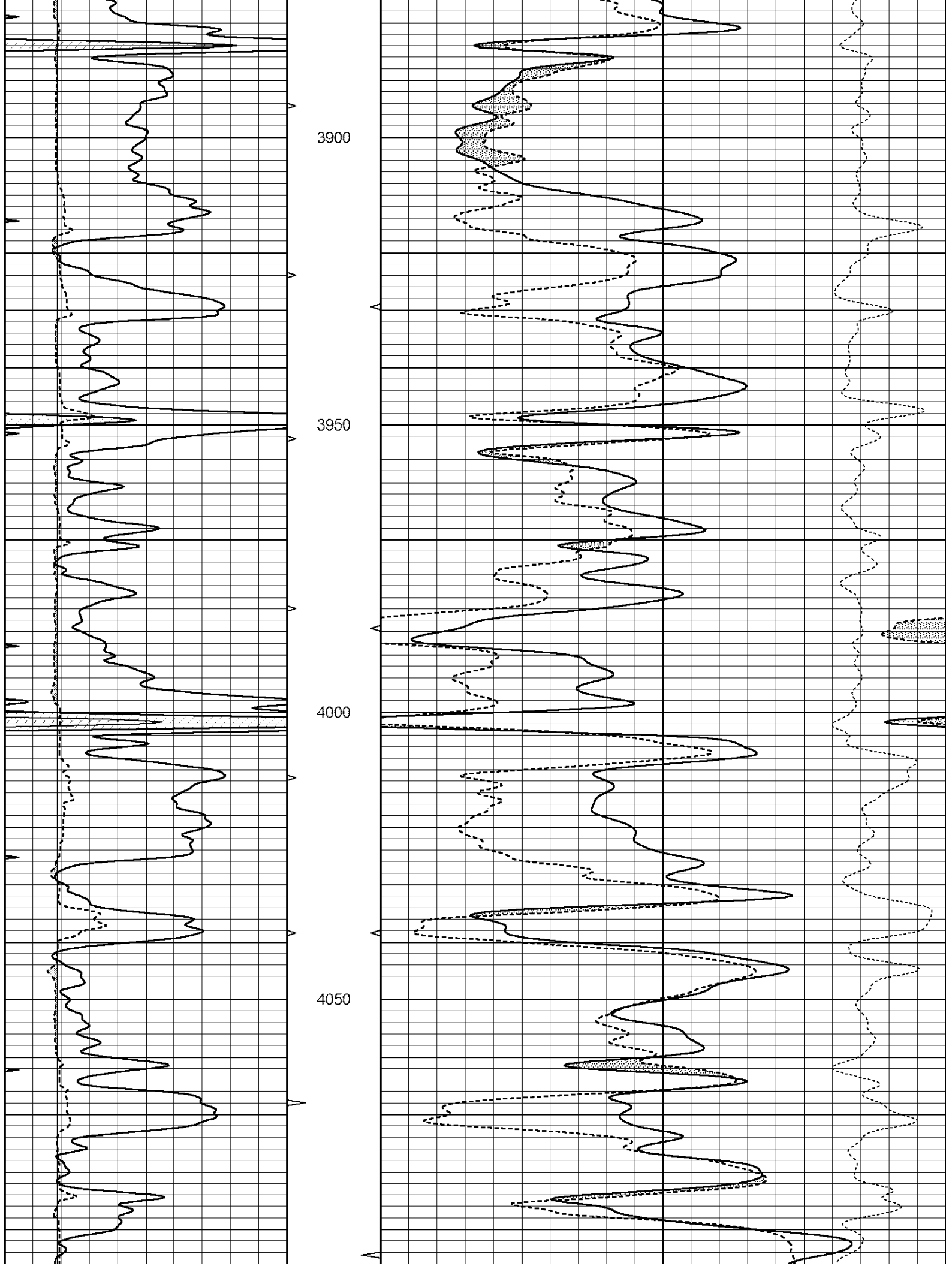


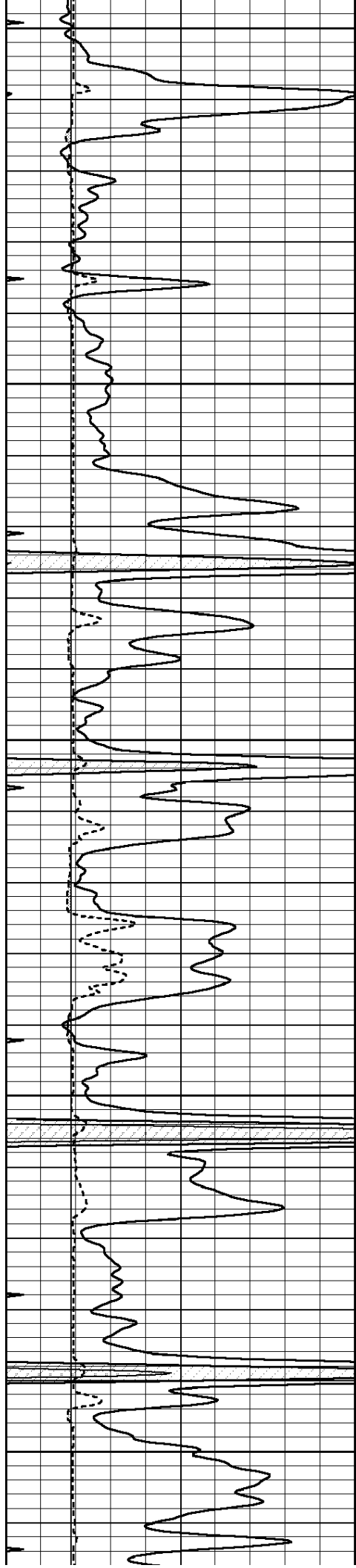
MAIN PASS

Database File: 2424ddn.db
Dataset Pathname: pass3M
Presentation Format: den_neu
Dataset Creation: Wed May 09 01:00:38 2018 by Calc Open-Cased 090629
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		-0.25 CORRECTION (g/cc)	0.25
			0 (ft3)	10		







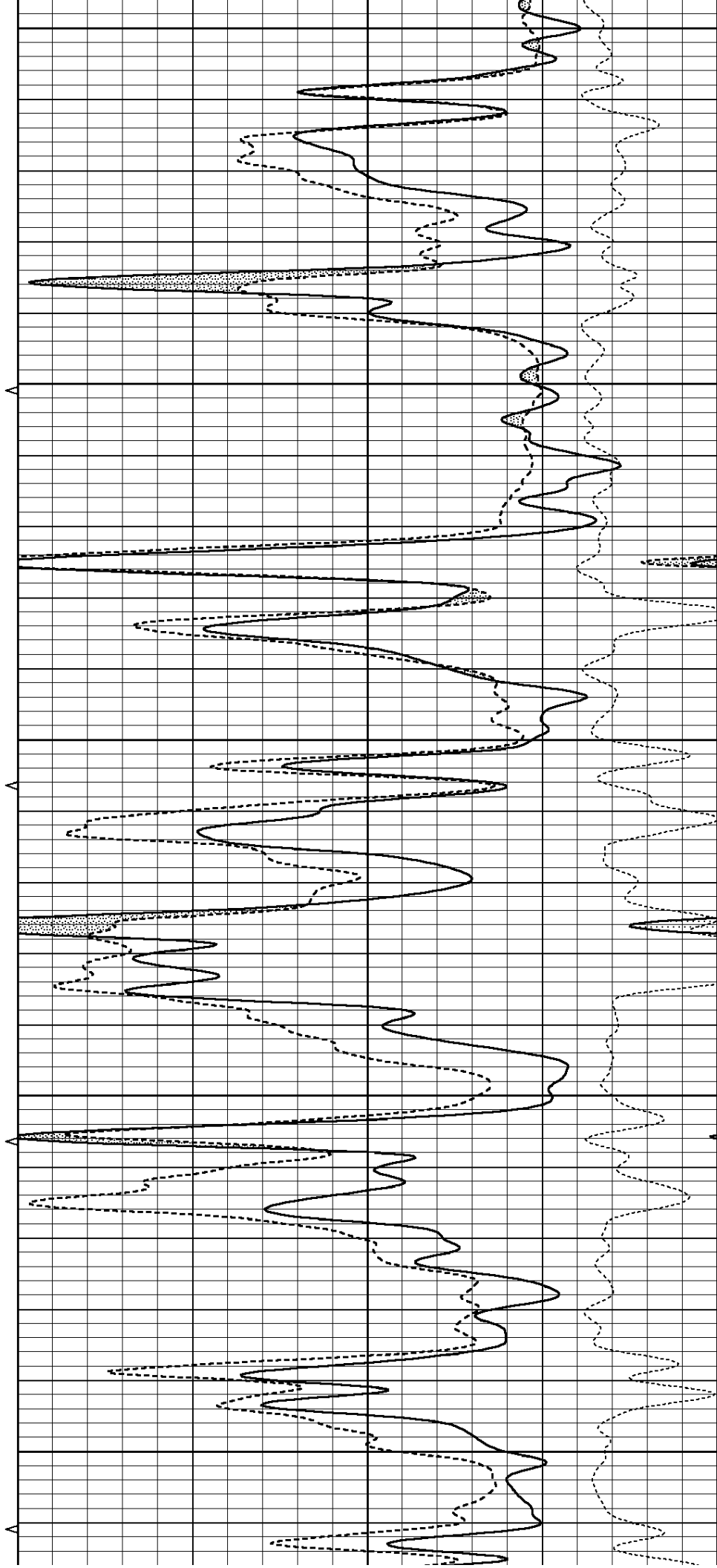
4100

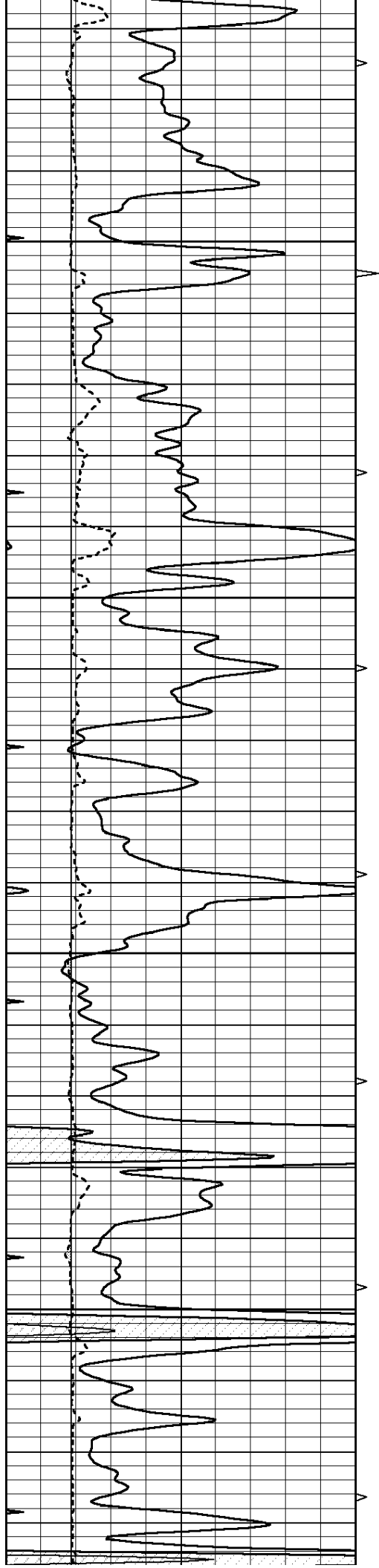
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4200

4250

4300



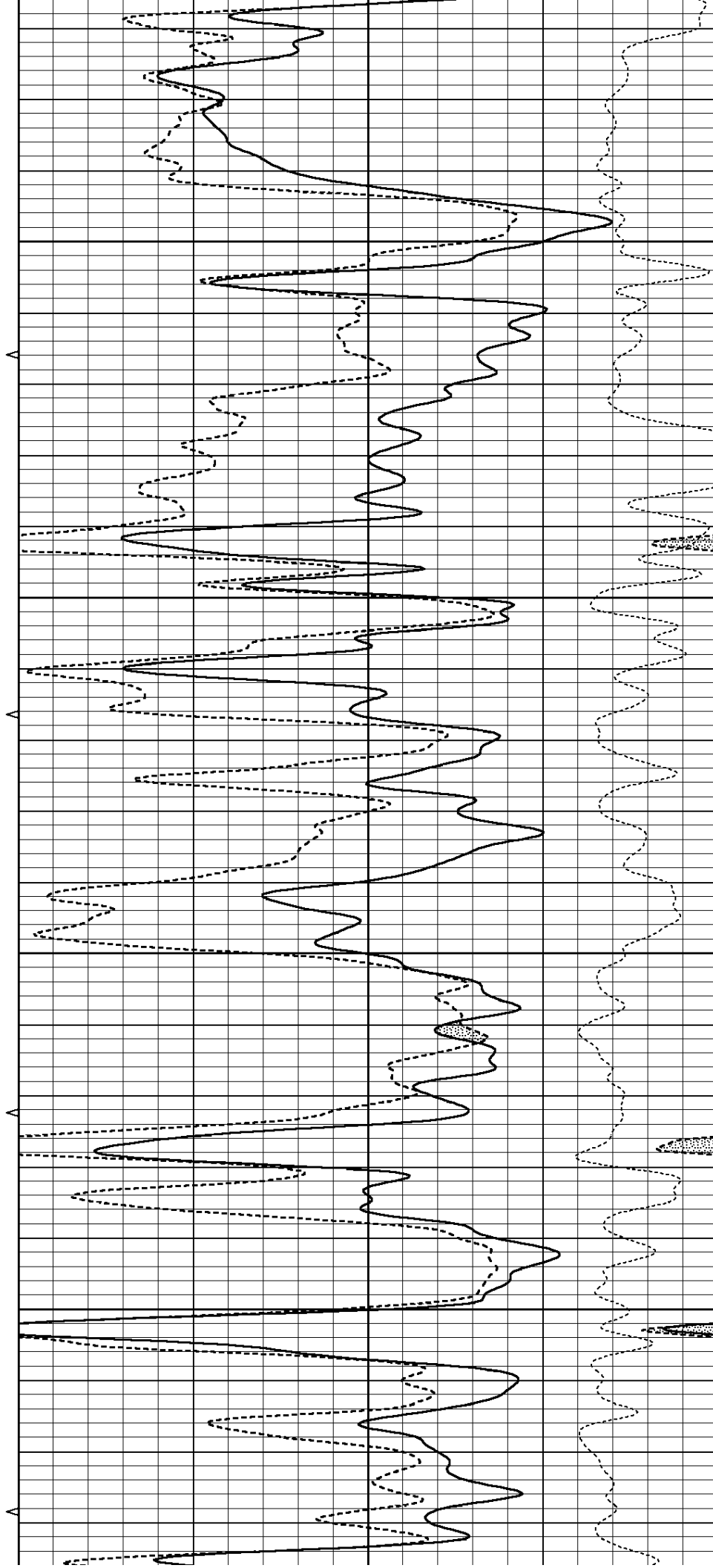


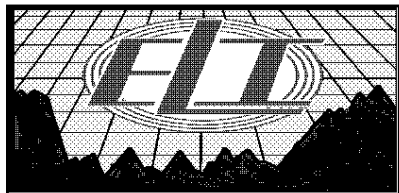
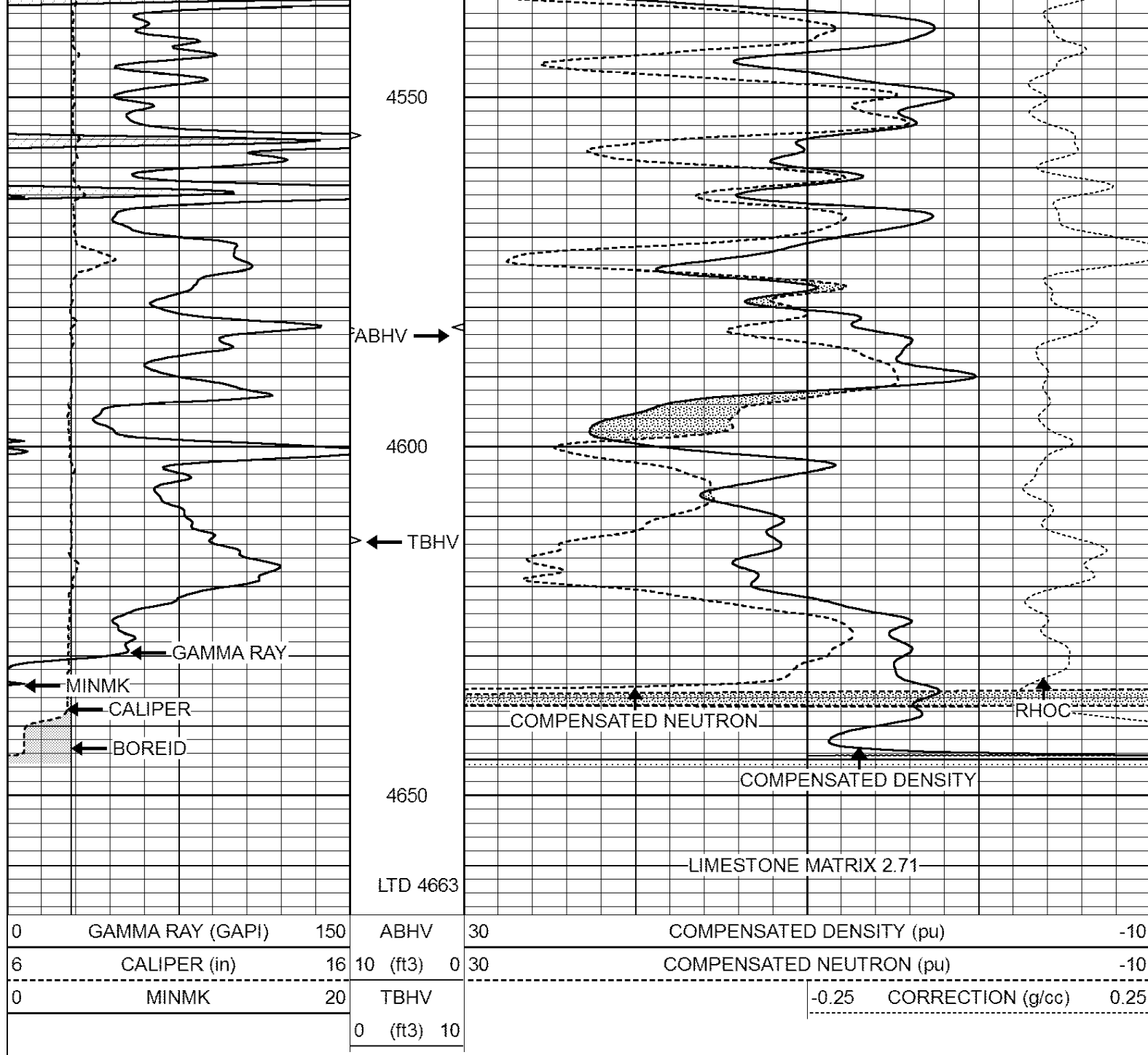
4350

4400

4450

4500

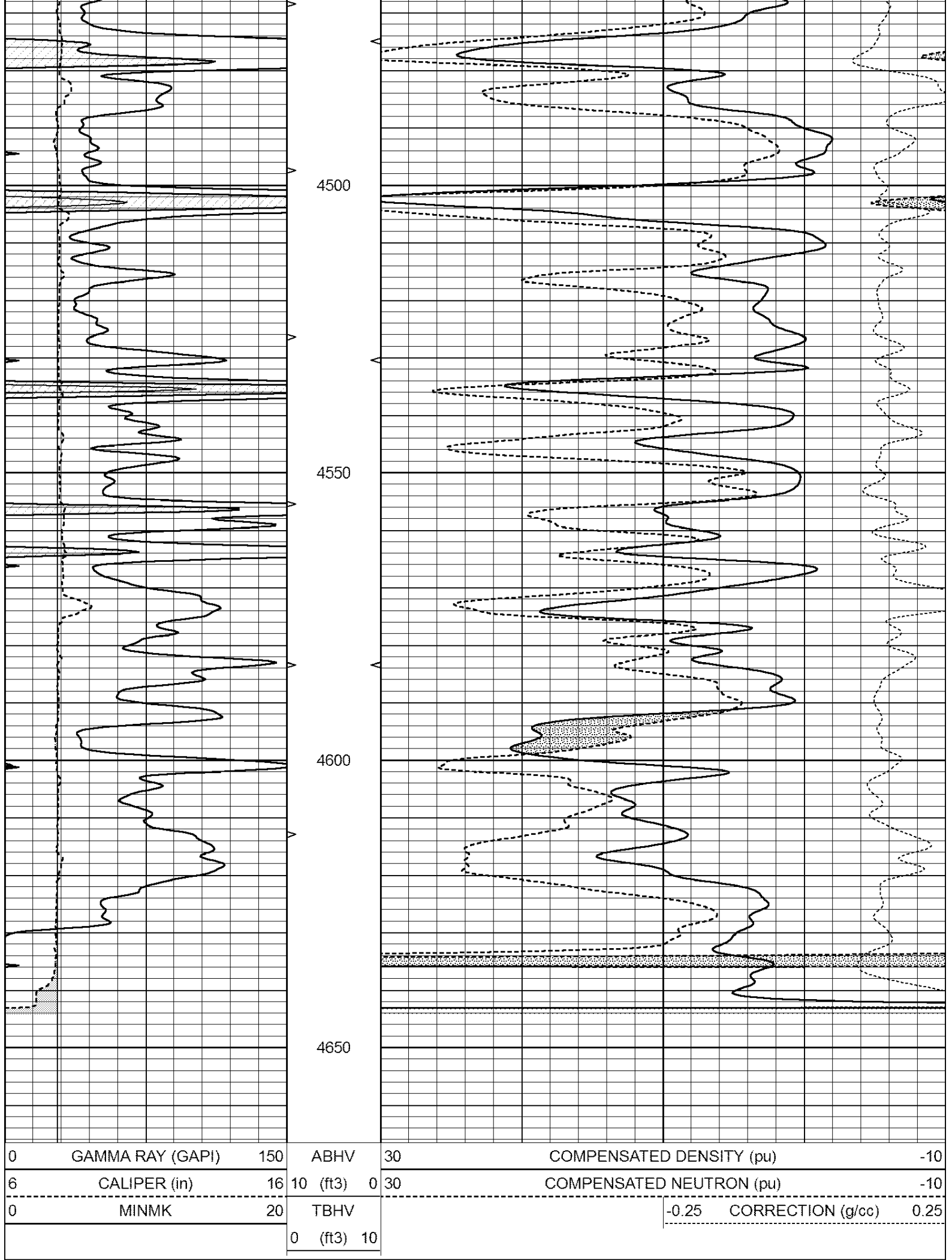




REPEAT SECTION

Database File: 2424ddn.db
 Dataset Pathname: pass2.1
 Presentation Format: den_neu
 Dataset Creation: Wed May 09 01:21:30 2018 by Calc Open-Cased 090629
 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	COMPENSATED NEUTRON (pu)	-10
0	MINMK	20	TBHV		-0.25	CORRECTION (g/cc) 0.25
			0 (ft3)	10		



Database File: pe2.db		Calibration Report	
Dataset Pathname: pass2			
Dataset Creation: Mon Aug 21 11:58:02 2017 by Log Open-Cased 090629			

Dual Induction Calibration Report

Serial-Model:	PROBE8-DILG
Surface Cal Performed:	Mon Aug 21 11:58:18 2017
Downhole Cal Performed:	Mon Aug 21 11:58:21 2017
After Survey Verification Performed:	Mon Aug 21 11:58:23 2017

Surface Calibration								
Readings			References				Results	
Loop:	Air	Loop		Air	Loop		m	b
Deep	0.015	0.648	V	0.000	400.000	mmho/m	620.000	0.000
Medium	0.029	0.796	V	0.000	464.000	mmho/m	590.000	-12.000
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: 002 Model: PRB

Master Calibration				Performed Mon Aug 21 11:56:41 2017			
	Background	Magnesium		Aluminum		Sandstone	
Window 1	833.6	7394.2		2287.3		8111.8	cps
Window 2	768.9	6322.3		1995.6		6800.0	cps
Window 3	621.5	3261.9		1186.4		3380.9	cps
Window 4	184.2	185.7		184.9		184.8	cps
Long Space	0.0	5553.4		1226.6		6031.1	cps
Short Space	1.2	1307.5		903.9		1387.7	cps
Rho		1.7100		2.5900		1.3800	g/cc
Pe		0.0000		2.5700		1.5500	
Rib Angle	: 46.3	Rib Slope	: 1.045	Density/Spine Ratio			: 0.566
Spine Angle	: 76.3	Spine Slope	: 4.090	Spine Intercept			: -20.7

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		
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					
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Serial Number:		6I			
Tool Model:		G			

CALIBRATION					
Detector		Readings		Target	Normalization
Short Space		1.00	cps	1.00	cps
Long Space		1.00	cps	1.00	cps
					1.0000
					1.0000

PRE-SURVEY VERIFICATION					
Detector		Readings		Measured	Target
1)	Short Space		cps		
	Long Space		cps	pu	pu
2)	Short Space		cps		
	Long Space		cps	pu	
3)	Short Space		cps		
	Long Space		cps	pu	

POST-SURVEY VERIFICATION					
Detector		Readings		Measured	Target
1)	Short Space		cps		
	Long Space		cps	pu	pu
2)	Short Space		cps		
	Long Space		cps	pu	pu
3)	Short Space		cps		
	Long Space		cps	pu	pu

Gamma Ray Calibration Report					
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Serial Number:	GR6
Tool Model:	OPEN
Performed:	Mon Aug 21 11:59:01 2017

Calibrator Value:	150.0	GAPI
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Background Reading:	0.0	cps
Calibrator Reading:	276.0	cps

Sensitivity:	0.5500	GAPI/cps
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