

COMPENSATED DENSITY/NEUTRON PE LOG

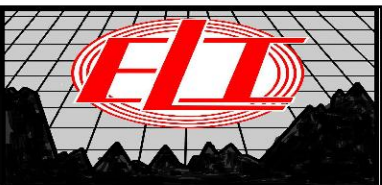
Company	DIXON OPERATING COMPANY, LLC.	Company	DIXON OPERATING COMPANY, LLC.
Well	DSA #2-3	Well	DSA #2-3
Field	MIKES METEOR	Field	MIKES METEOR
County	STAFFORD	County	STAFFORD
State	KANSAS	State	KANSAS
Location:	API # : 15-185-24059-0000 2210' FSL & 2970' FEL	Other Services DIL/MEL SONIC	
Permanent Datum	SEC 3 TWP 23S RGE 12W	Elevation	
Log Measured From	GROUND LEVEL Elevation 1834	K.B. 1845	
Drilling Measured From	KELLY BUSHING 11' A.G.L. KELLY BUSHING	D.F. 1843	
		G.L. 1834	
Date	10/18/19		
Run Number	ONE		
Depth Driller	3850		
Depth Logger	3848		
Bottom Logged Interval	3824		
Top Log Interval	3100		
Casing Driller	8 5/8" @ 306'		
Casing Logger	306'		
Bit Size	7 7/8		
Type Fluid in Hole	CHEMICAL MUD	CHLORIDES 6800 PPM	
Density / Viscosity	9.2/46		
pH / Fluid Loss	10.5/9.2		
Source of Sample	FLOWLINE		
Rm @ Meas. Temp	0.65 @ 83F		
Rmf @ Meas. Temp	0.48 @ 83F		
Rmc @ Meas. Temp	0.78 @ 83F		
Source of Rmf / Rmc	MEASUREMENT		
Rm @ BHT	0.46 @ 115F		
Time Circulation Stopped	2 HOURS		
Time Logger on Bottom	////		
Maximum Recorded Temperature	115F		
Equipment Number	3802		
Location	HAYS, KANSAS		
Recorded By	JASON CAPPELLUCCI		
Witnessed By	BRUCE REED		

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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

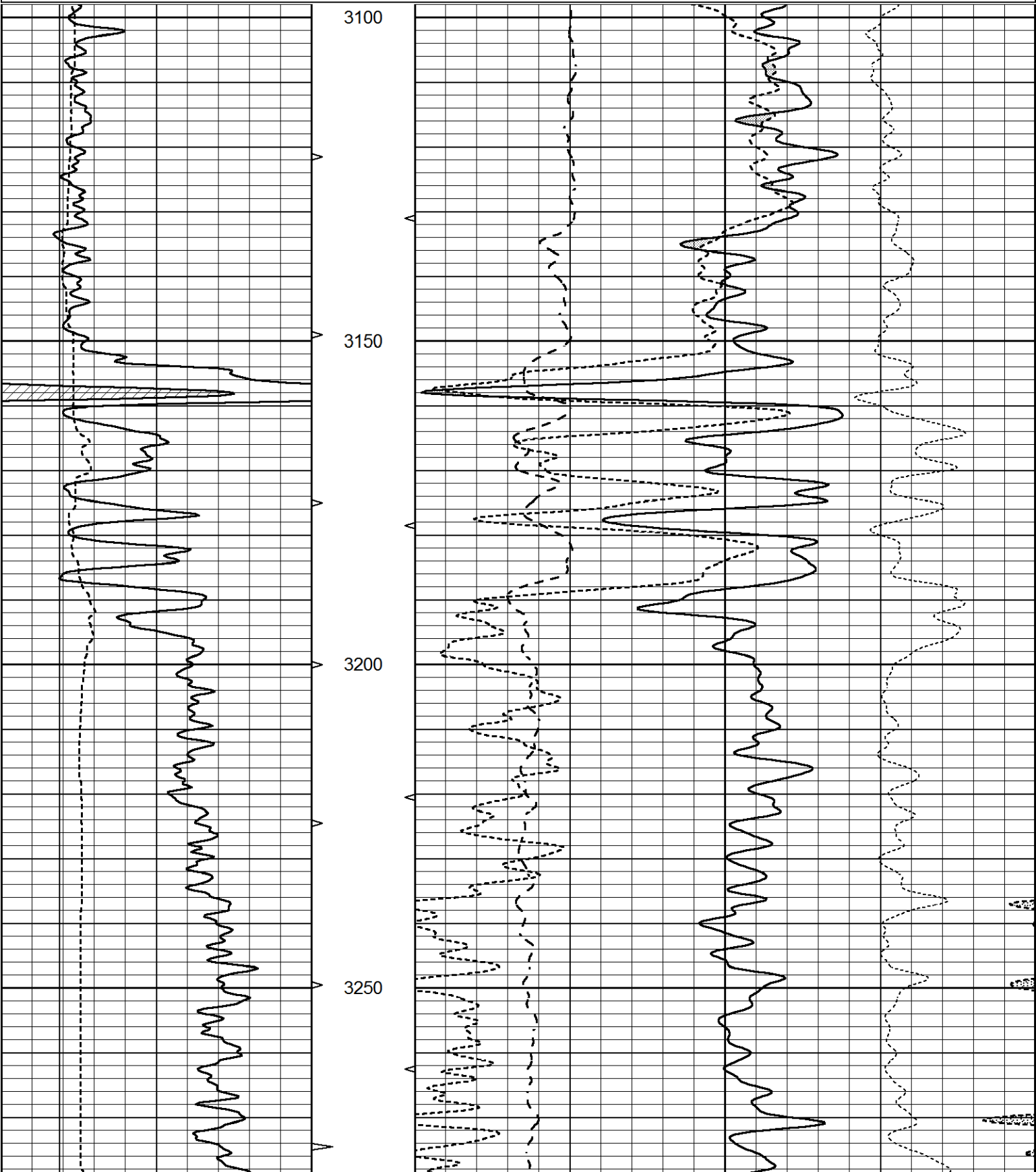
THANK YOU FOR USING ELI WIRELINE SERVICES, HAYS, KS. (785) 628-6395
DIRECTIONS
ST. JOHN, KS. - 4 NORTH TO NE 70TH RD. - 6 EAST TO 60TH - 1 1/4 NORTH
EAST INTO

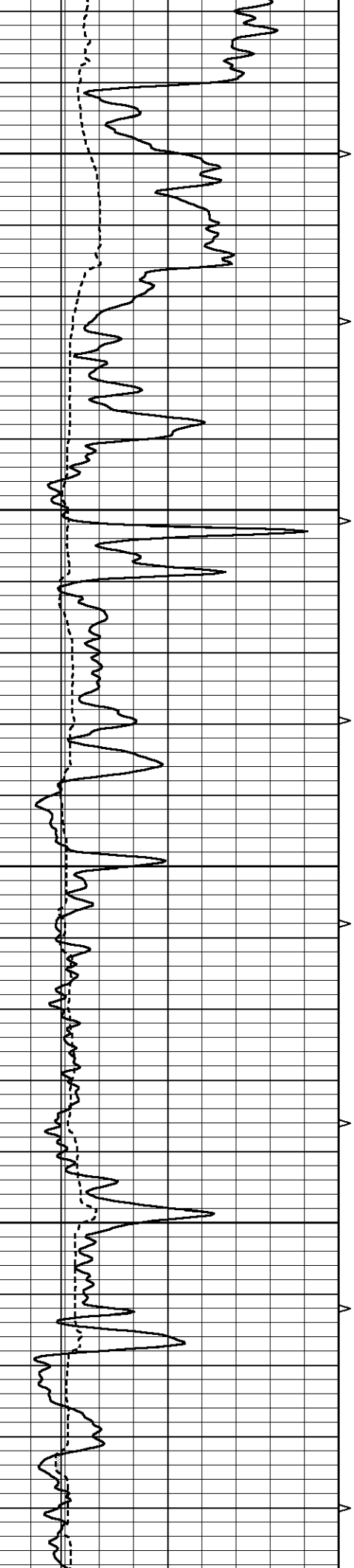


MAIN SECTION

Database File	4000pe8.db
Dataset Pathname	pass3.1
Presentation Format	_ldt_neu
Dataset Creation	Fri Oct 18 19:51:29 2019
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
			TBHV	0	PE	10 -0.25
			0 (ft3)	10	CORRECTION (g/cc)	0.25



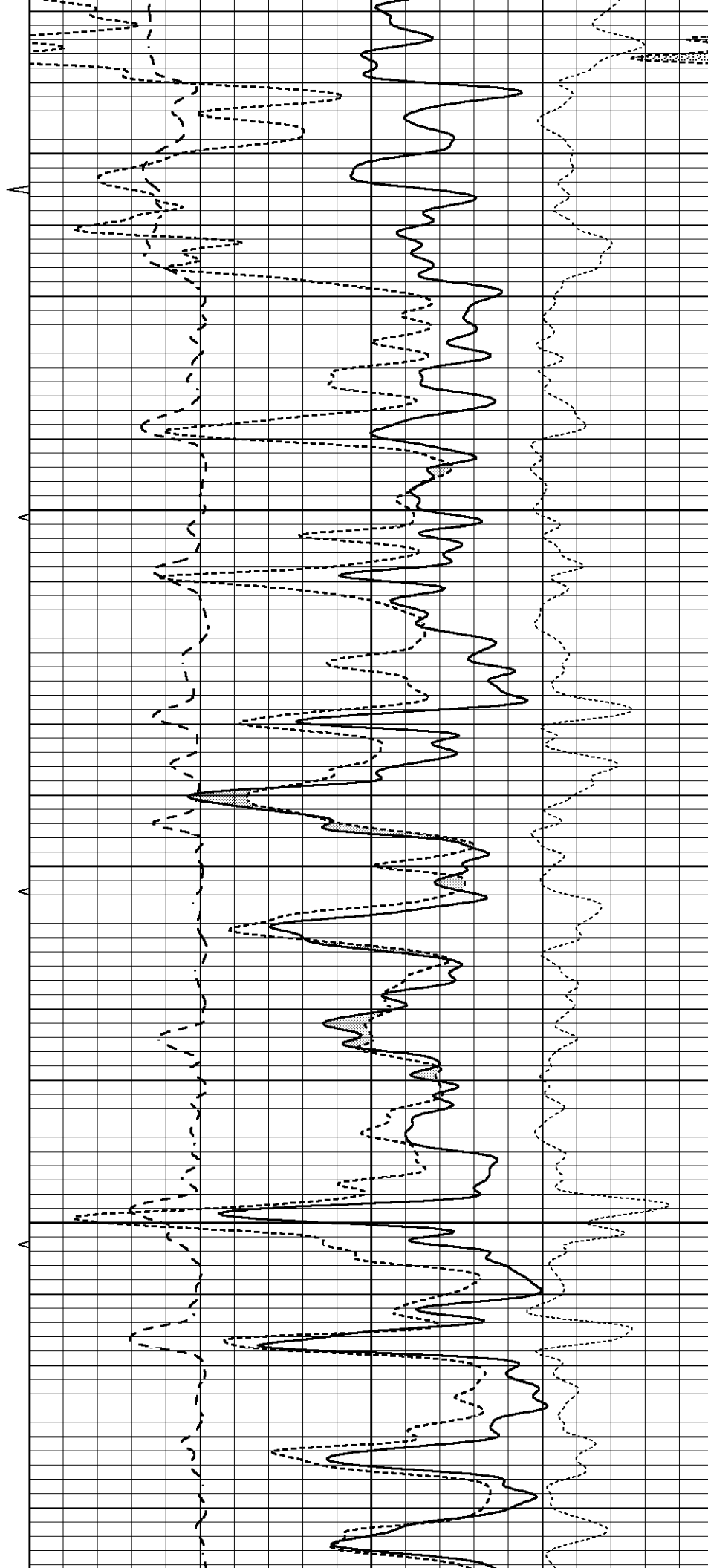


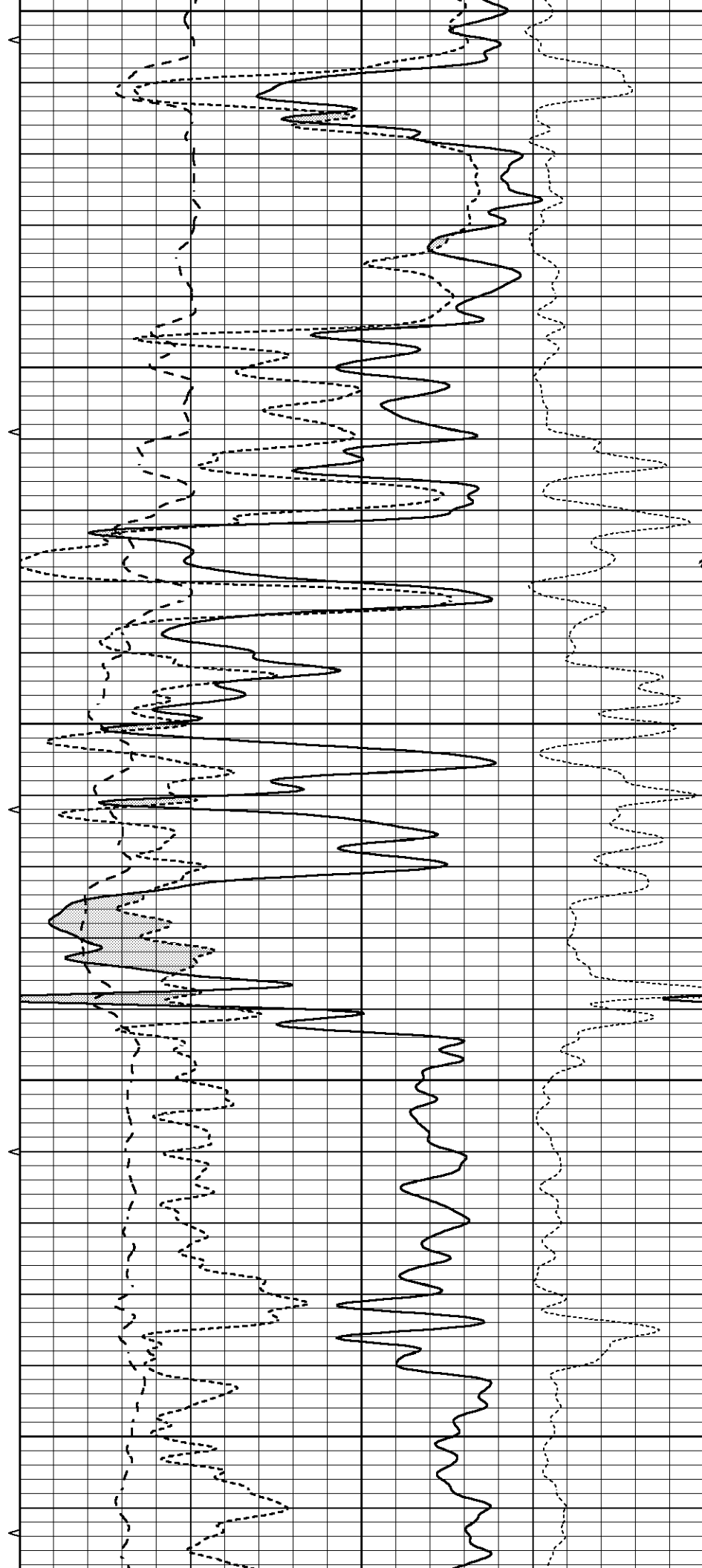
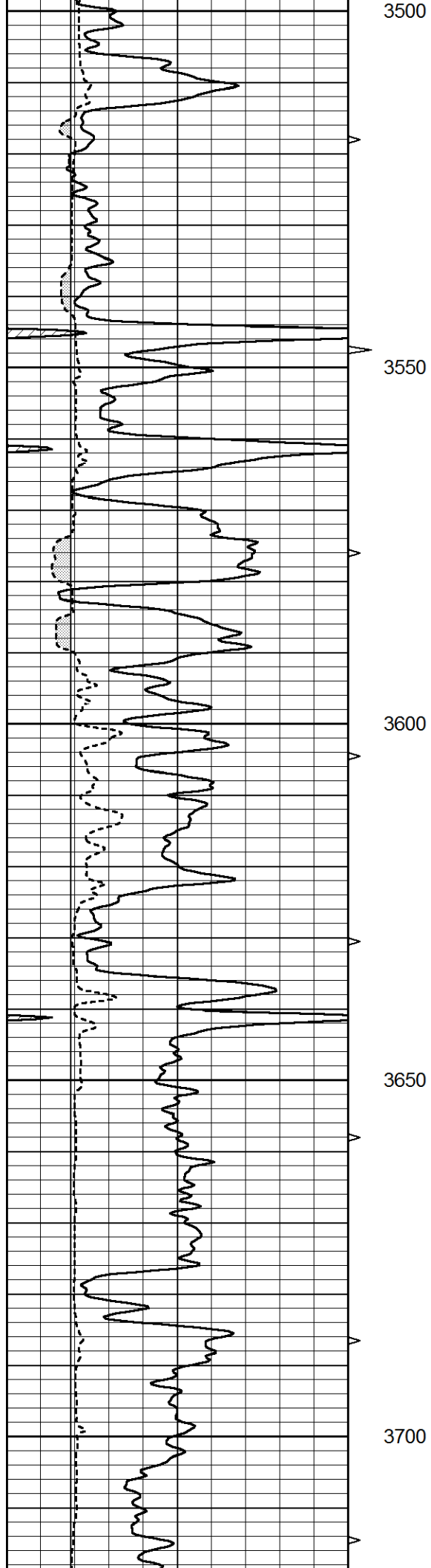
3300

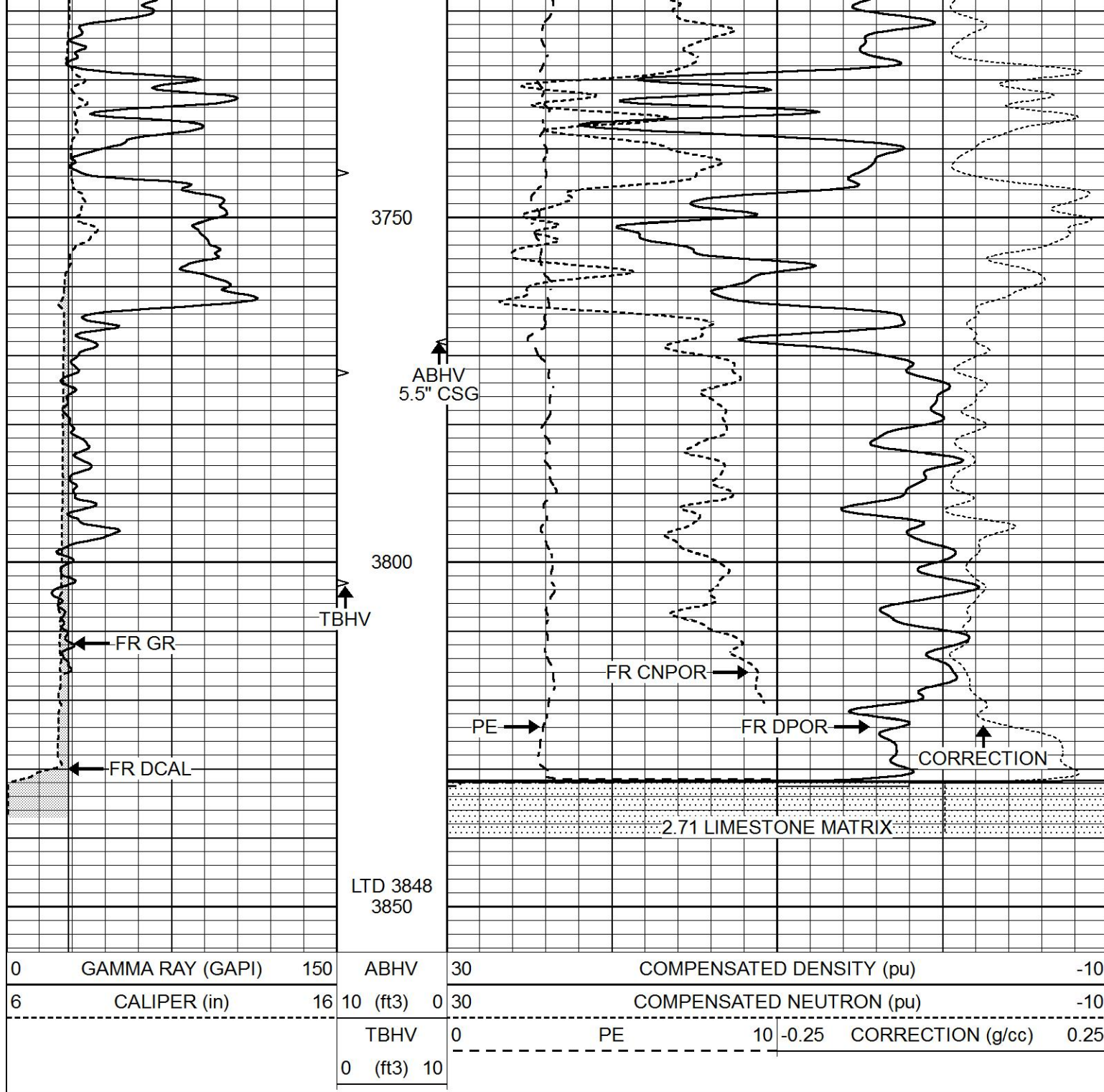
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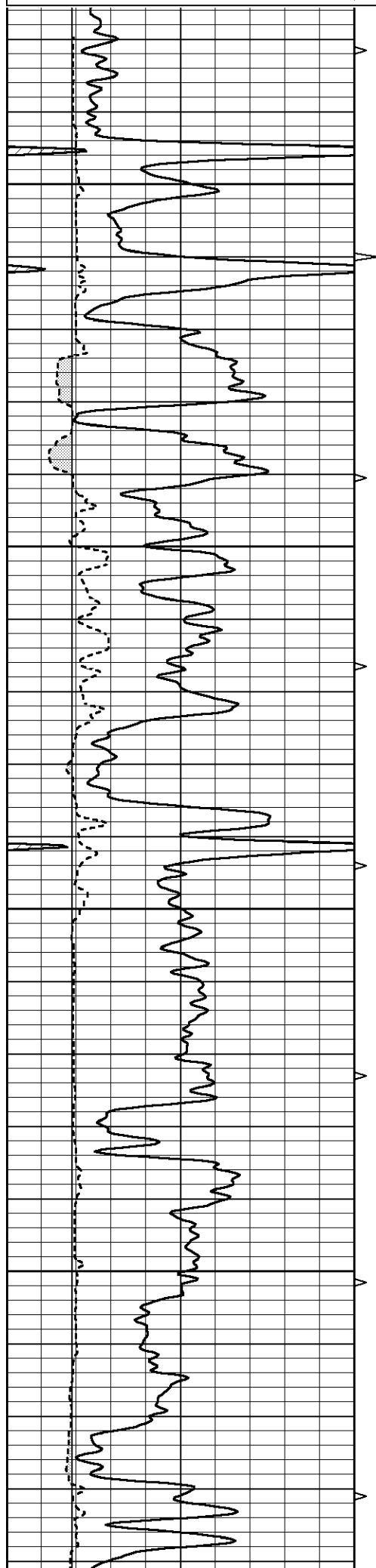


REPEAT SECTION

Database File 4000pe8.db
 Dataset Pathname pass2.1
 Presentation Format _ldt_neu
 Dataset Creation Fri Oct 18 19:44:20 2019
 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
			TBHV	0	PE	10 -0.25 CORRECTION (g/cc) 0.25
			0 (ft3) 10			

0 (ft3) 10

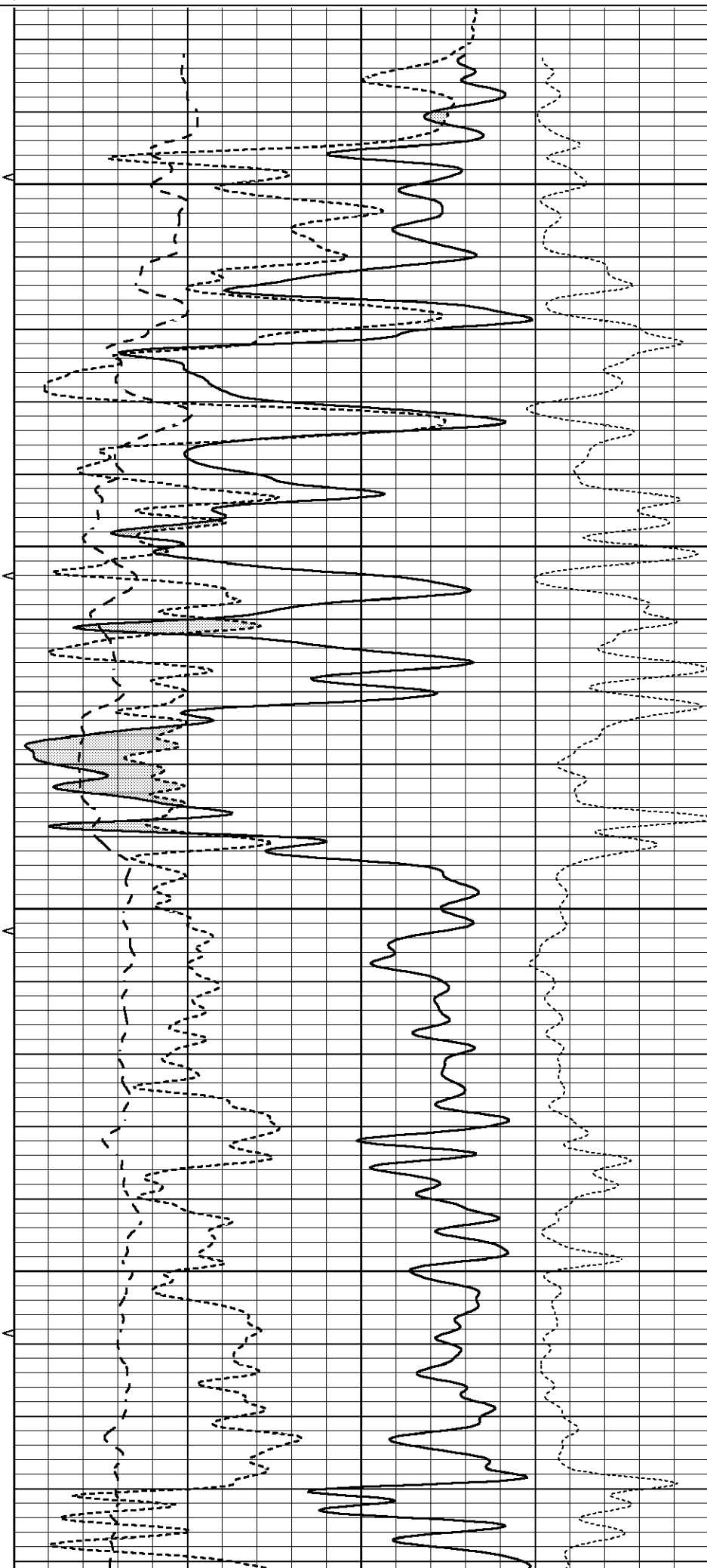


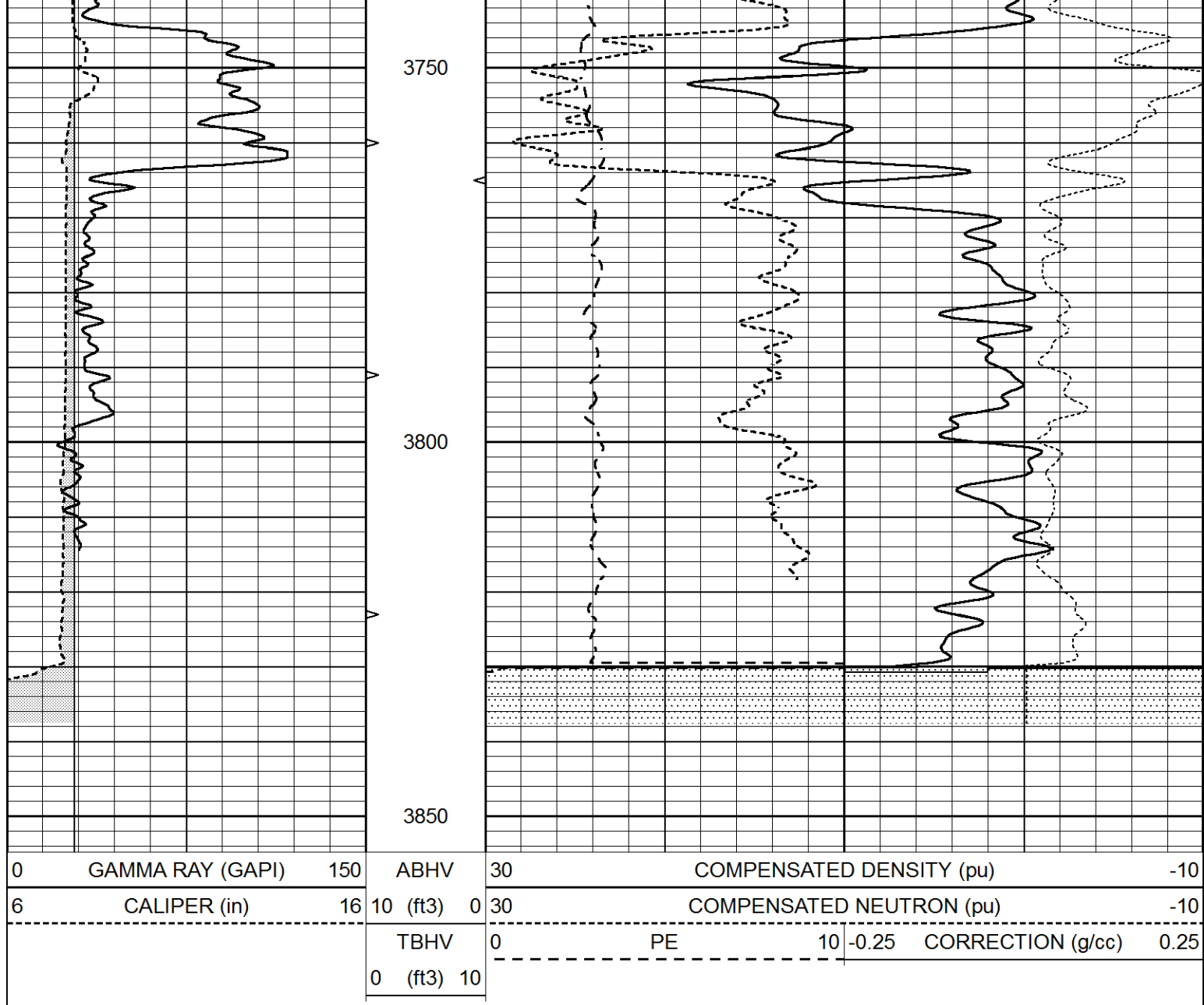
3550

3600

3650

3700





Calibration Report

Database File 4000pe8.db
 Dataset Pathname pass2.1
 Dataset Creation Fri Oct 18 19:44:20 2019

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
 After Survey Verification Performed: Tue Feb 19 11:44:27 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		

Litho Density Calibration Report Serial: 140704 Model: V4_10P Source Number: 74GBq-19								
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Master Calibration			Performed: Fri Jan 18 10:53:52 2019					
	Background	Aluminum	Magnesium					
Window 1	563.20	5403.39	24190.50	cps				
Window 2	44.78	1243.51	6049.93	cps				
Window 4	247.62	1222.40	5239.60	cps				
Window 5	568.17	8975.27	17094.80	cps				
Window 6	44.48	1484.88	2922.28	cps				
Window 8	270.82	2877.34	5377.89	cps				
Bulk Density	-	2.6020	1.6830	g/cc				
Pe	-	3.0000	2.5070	b/e				
LS Alpha:	: -1.8641	SS Alpha:	: -0.7692	LS CPE:		: 1.1004		
LS Beta:	: 127931.7253	SS Beta:	: 20075.8142	SS CPE:		: 1.5209		

Before Survey Background Counts Verification			Performed: Wed Dec 31 18:00:00 1969					
Window 1	0.00	cps						
Window 2	0.00	cps						
Window 4	0.00	cps						
Window 5	0.00	cps						
Window 6	0.00	cps						
Window 8	0.00	cps						

After Survey Background Counts Verification			Performed: Wed Dec 31 18:00:00 1969					
Window 1	0.00	cps						
Window 2	0.00	cps						
Window 4	0.00	cps						
Window 5	0.00	cps						
Window 6	0.00	cps						
Window 8	0.00	cps						

Lithodensity Caliper Calibration			Performed: Fri Jan 18 10:53:52 2019					
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Results	Readings	References (in)			
Low	High	Low	High	Gain	Offset
3586.3	5529.9	8.0	16.0	0.0	-6.8
Before Survey Caliper Verification		Performed:			
	Reference	Reading			
Caliper (in)	_____	_____			
After Survey Caliper Verification		Performed:			
	Reference	Reading			
Caliper (in)	_____	_____			
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 Feb 19 11:45:10 2019				
Calibrator Value:	1.0	GAPI			
Background Reading:	0.0	cps			
Calibrator Reading:	1.0	cps			
Sensitivity:	0.4300	GAPI/cps			