

COMPENSATED
DENSITY/NEUTRON
LOG

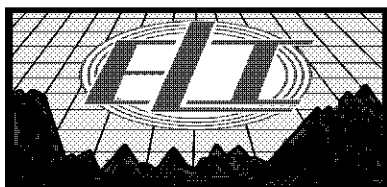
Company		WHITE EXPLORATION, INC.	
Well		POWERS - BARLOW UNIT #1	
Field		WILDCAT	
County		FINNEY	
State		KANSAS	
Location:		API # : 15-055-22498-0000 2580' FNL & 1480' FEL	
Permanent Datum		GROUND LEVEL Elevation 2984	
Log Measured From		KELLY BUSHING 11' A.G.L.	
Drilling Measured From		KELLY BUSHING	
SEC 5 TWP 22S RGE 34W		Elevation K.B. 2995 D.F. 2993 G.L. 2984	
Date	9/5/18		
Run Number	ONE		
Depth Driller	5000		
Depth Logger	4999		
Bottom Logged Interval	4975		
Top Log Interval	3500		
Casing Driller	8 5/8" @ 1775'		
Casing Logger	1770		
Bit Size	7 7/8		
Type Fluid in Hole	CHEMICAL MUD	CHLORIDES 2800 PPM	
Density / Viscosity	9.2/59		
pH / Fluid Loss	10.5/8.0		
Source of Sample	FLOWLINE		
Rm @ Meas. Temp	1.0 @ 88F		
Rmf @ Meas. Temp	.75 @ 88F		
Rmc @ Meas. Temp	1.2 @ 88F		
Source of Rmf / Rmc	MEASUREMENT		
Rm @ BHT	.70 @ 126F		
Time Circulation Stopped	2 HOURS		
Time Logger on Bottom	////		
Maximum Recorded Temperature	125F		
Equipment Number	3802		
Location	HAYS, KANSAS		
Recorded By	JASON CAPPELLUCCI		
Witnessed By	ANDY WHITE		

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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

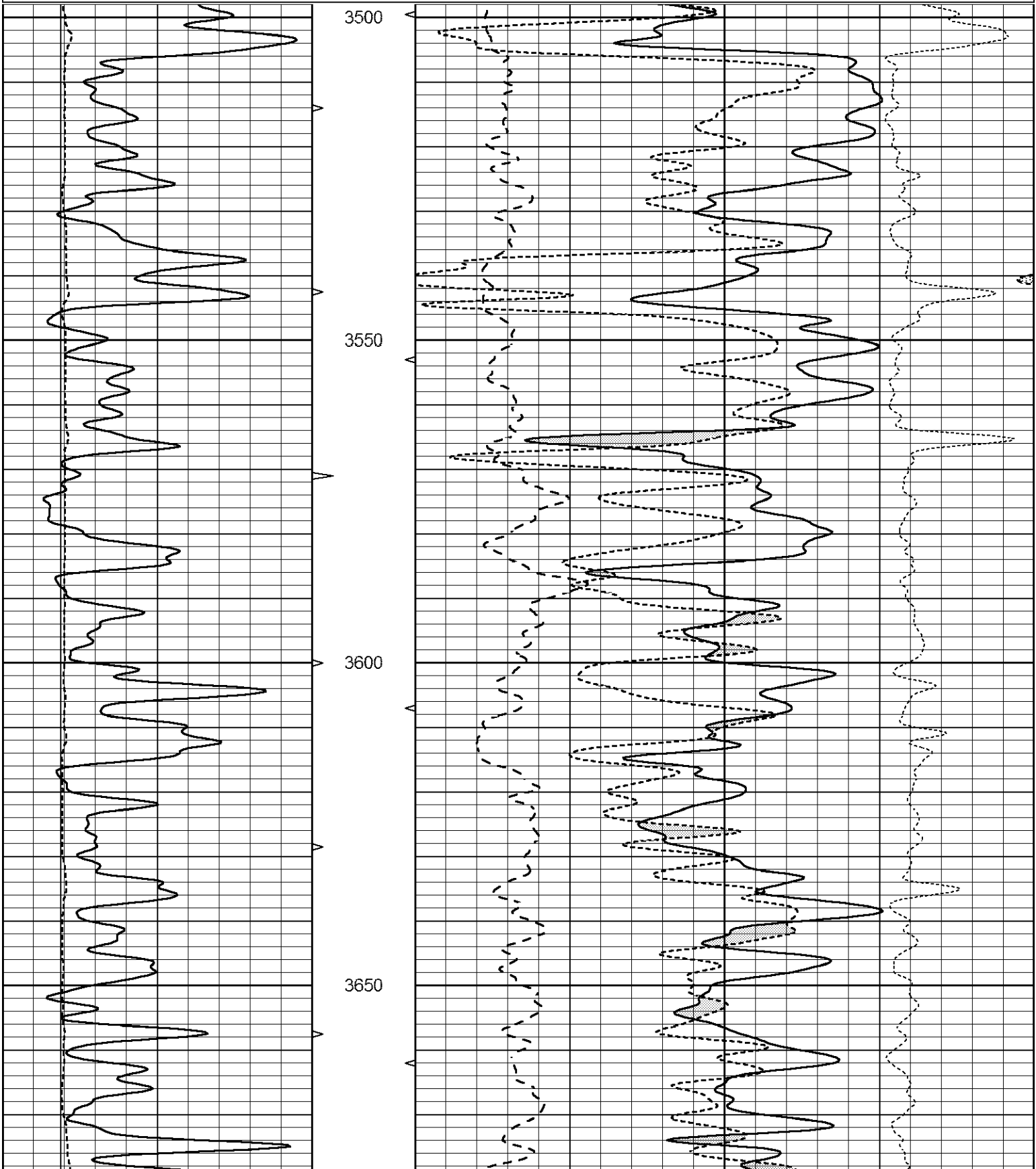
THANK YOU FOR USING ELI WIRELINE SERVICES, HAYS, KS. (785) 628-6395
DIRECTIONS
SCOTT CITY, KS. - 18 SOUTH TO GANO RD. - 11 WEST TO BYRD RD.
1 1/2 SOUTH - EAST INTO

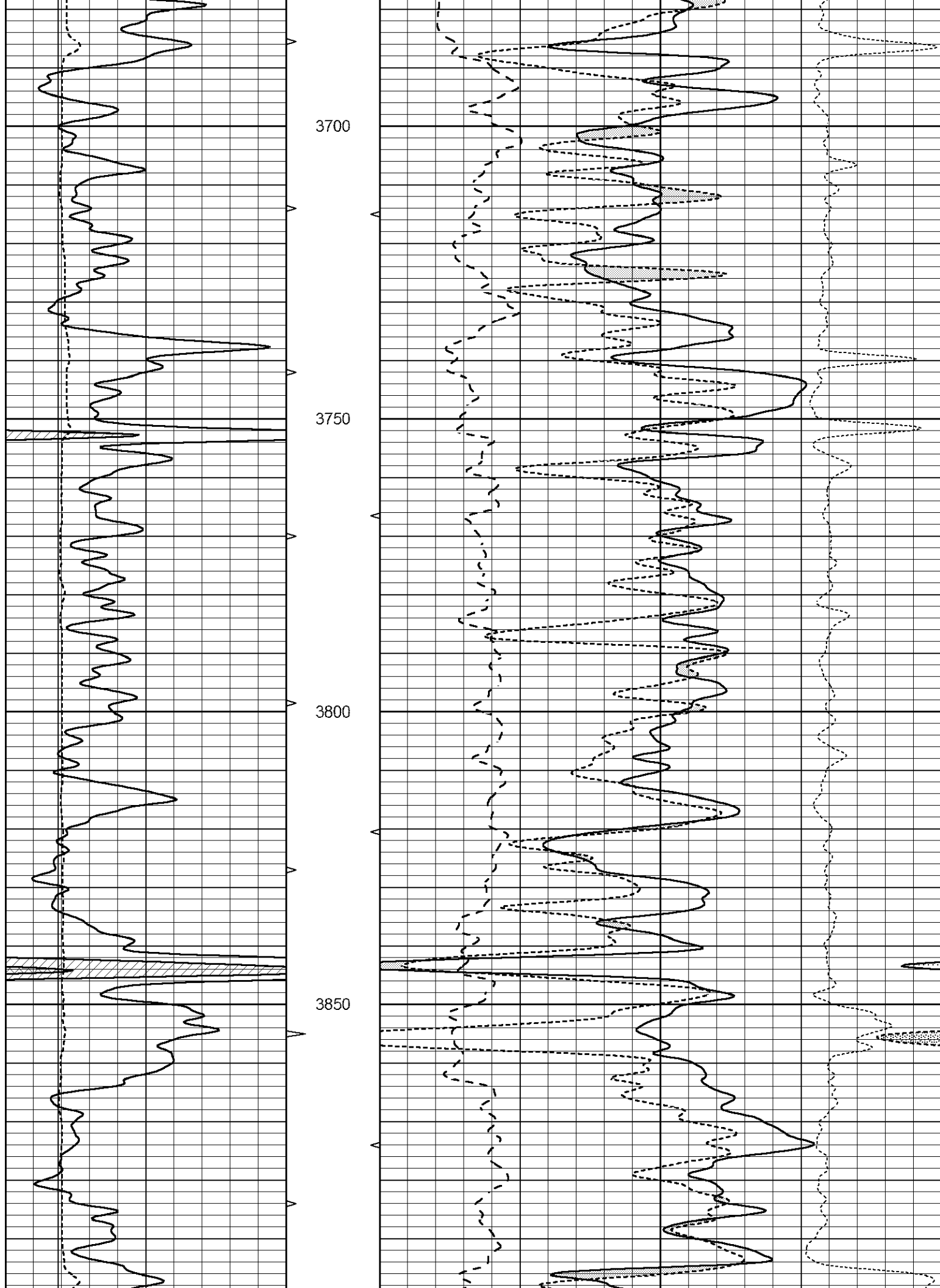


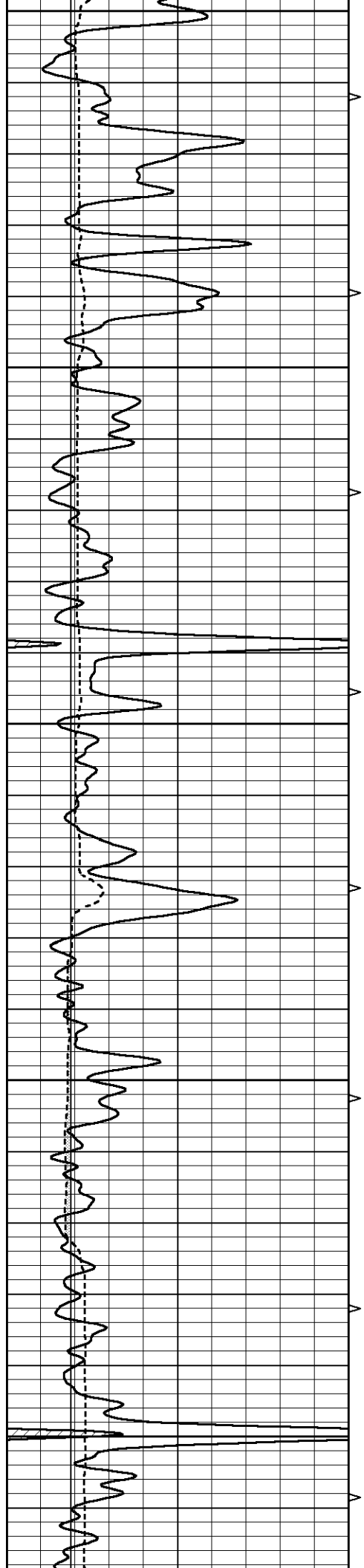
MAIN SECTION

Database File	3002pe8.db
Dataset Pathname	pass3.1
Presentation Format	_ldt_neu
Dataset Creation	Wed Sep 05 16:47:10 2018
Charted by	Depth in Feet scaled 1:240

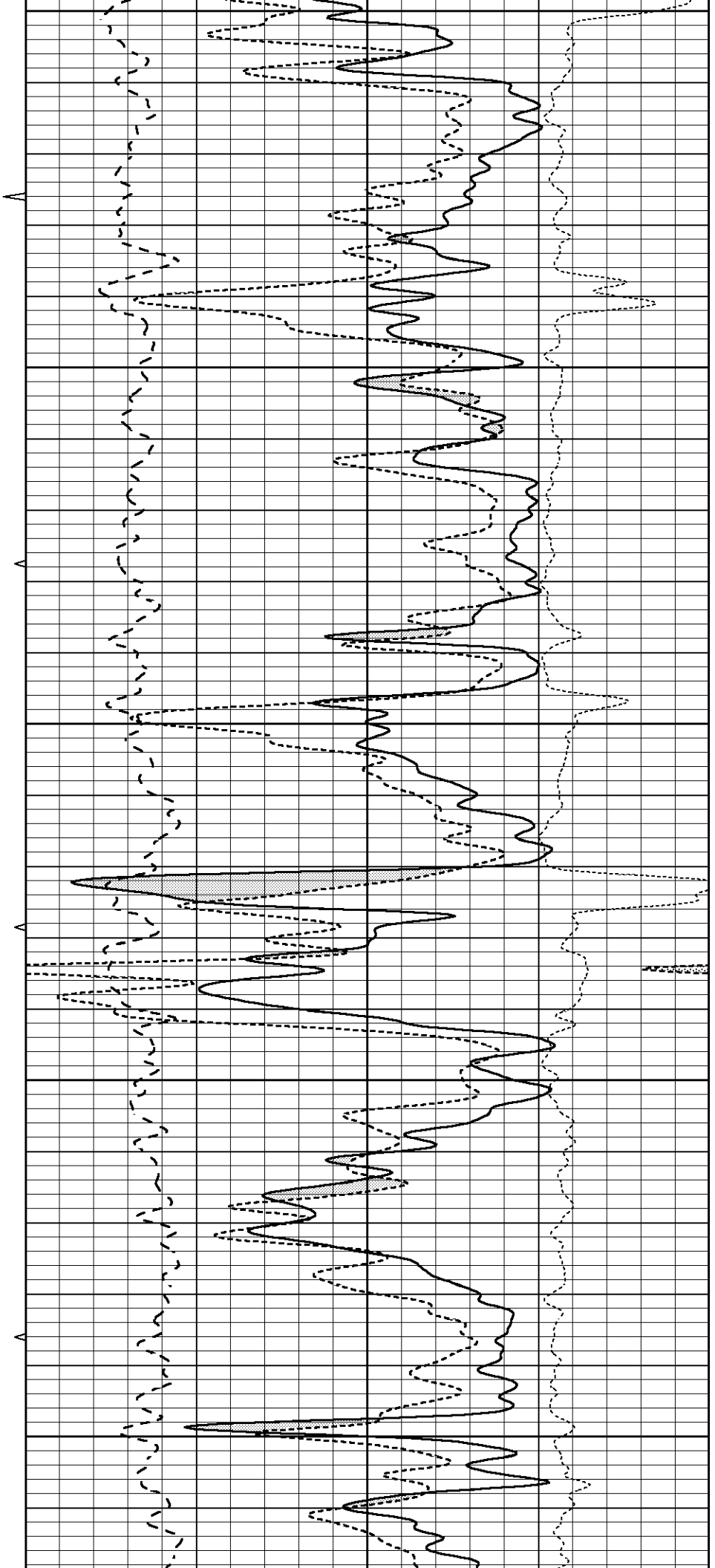
0	GAMMA RAY (GAPI)	150	ABHV	30	COMPENSATED DENSITY (pu)	-10
6	CALIPER (in)	16	10 (ft3)	0	COMPENSATED NEUTRON (pu)	-10
			TBHV	0	PE	10 -0.25
			0 (ft3)	10	CORRECTION (g/cc)	0.25

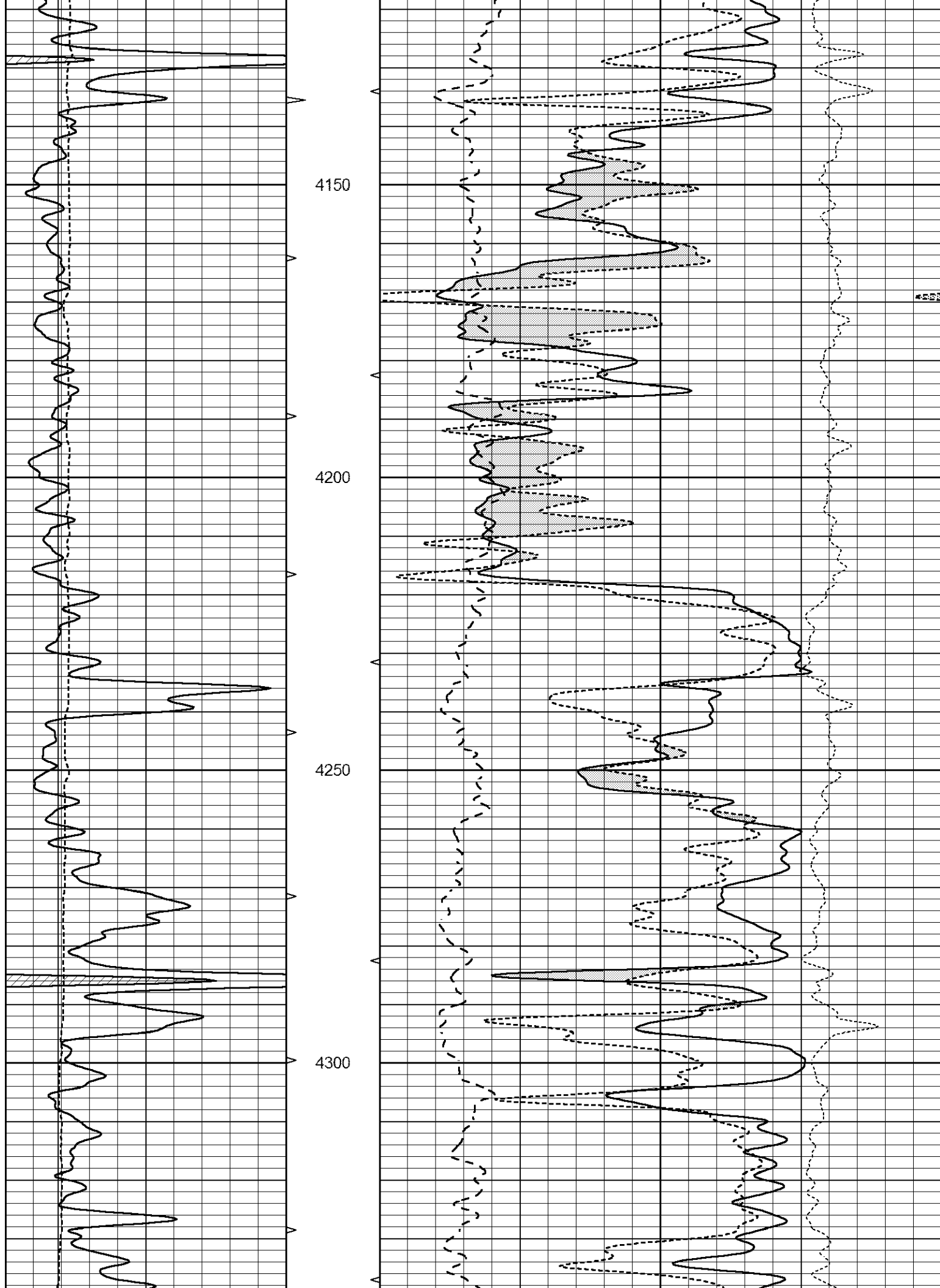


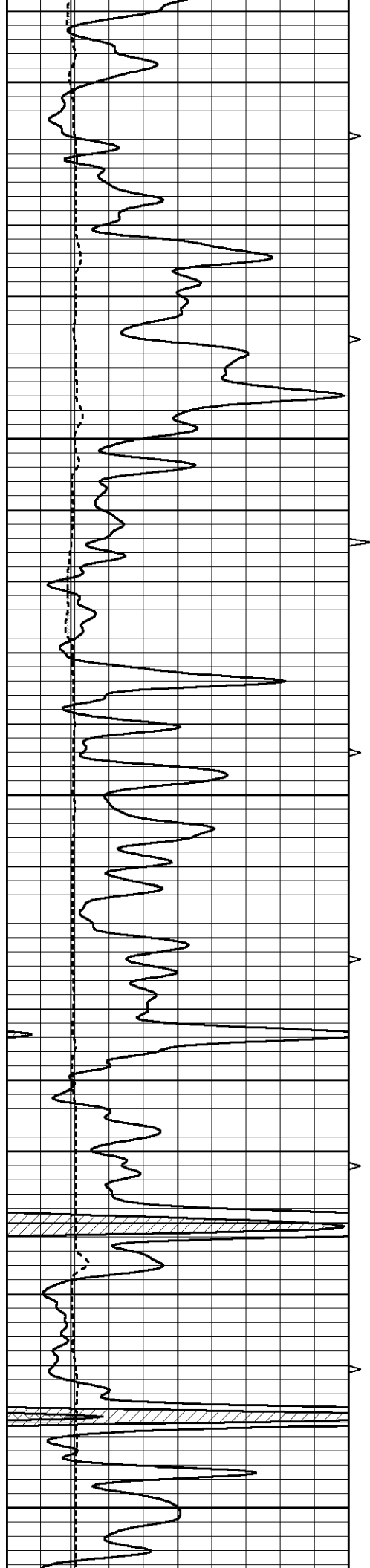




3900
3950
4000
4050
4100







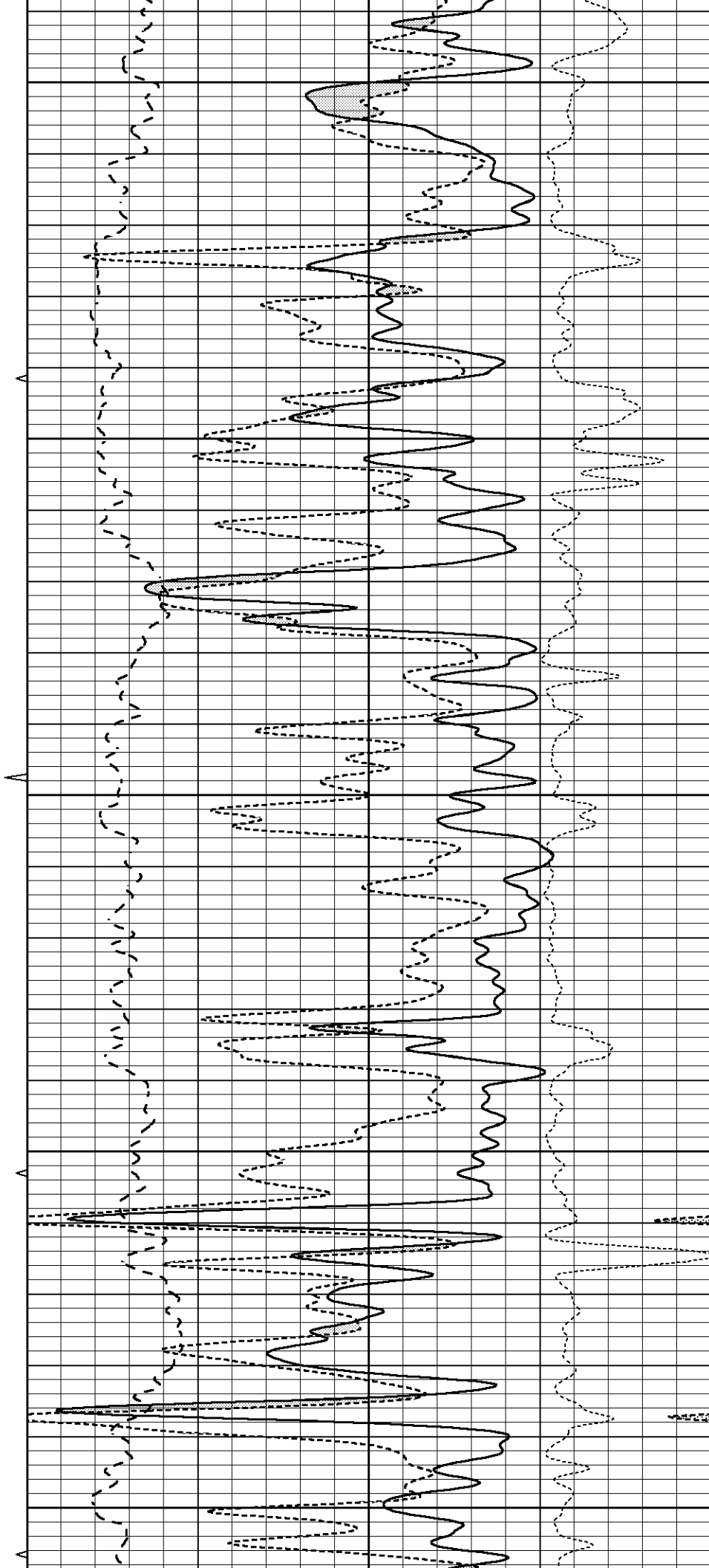
4350

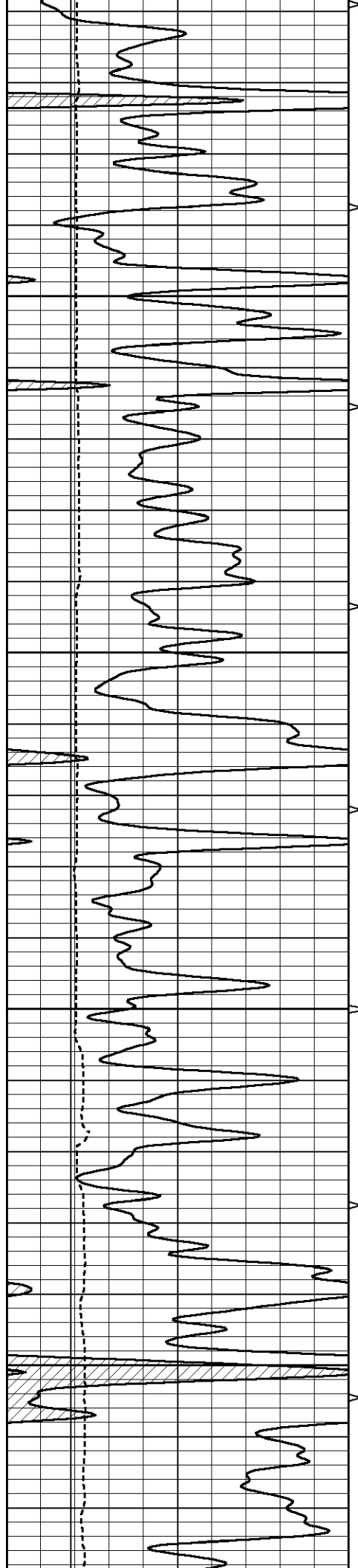
4400

4450

4500

4550



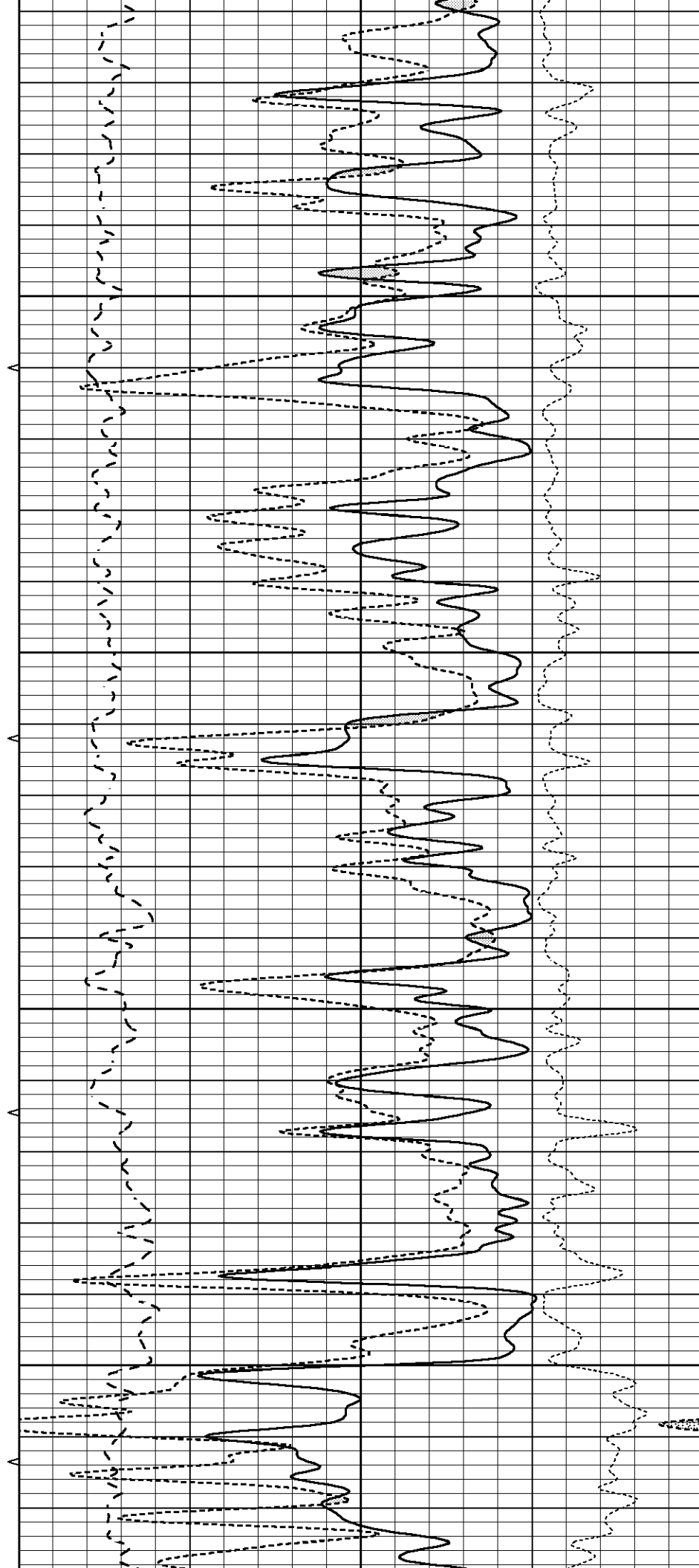


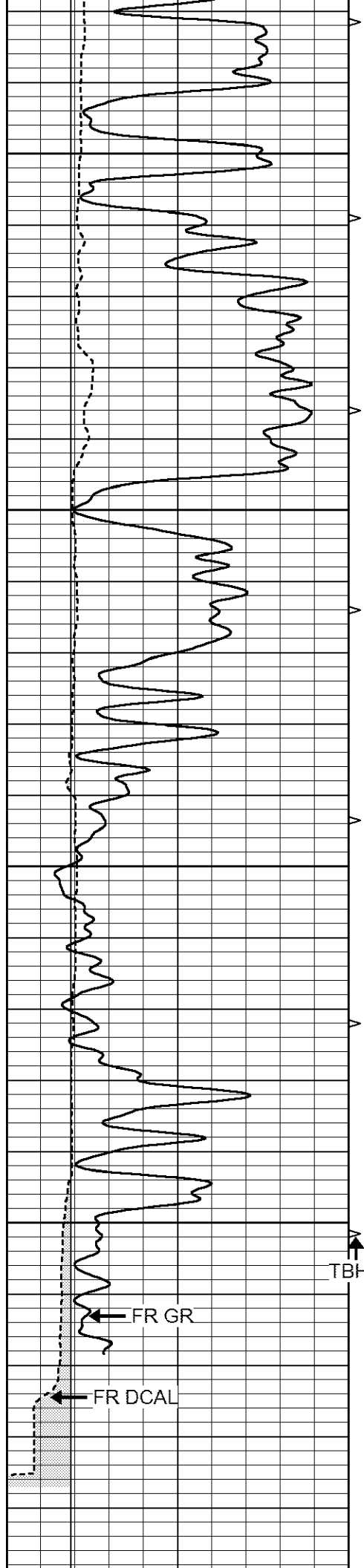
4600

4650

4700

4750





4800

4850

4900

4950

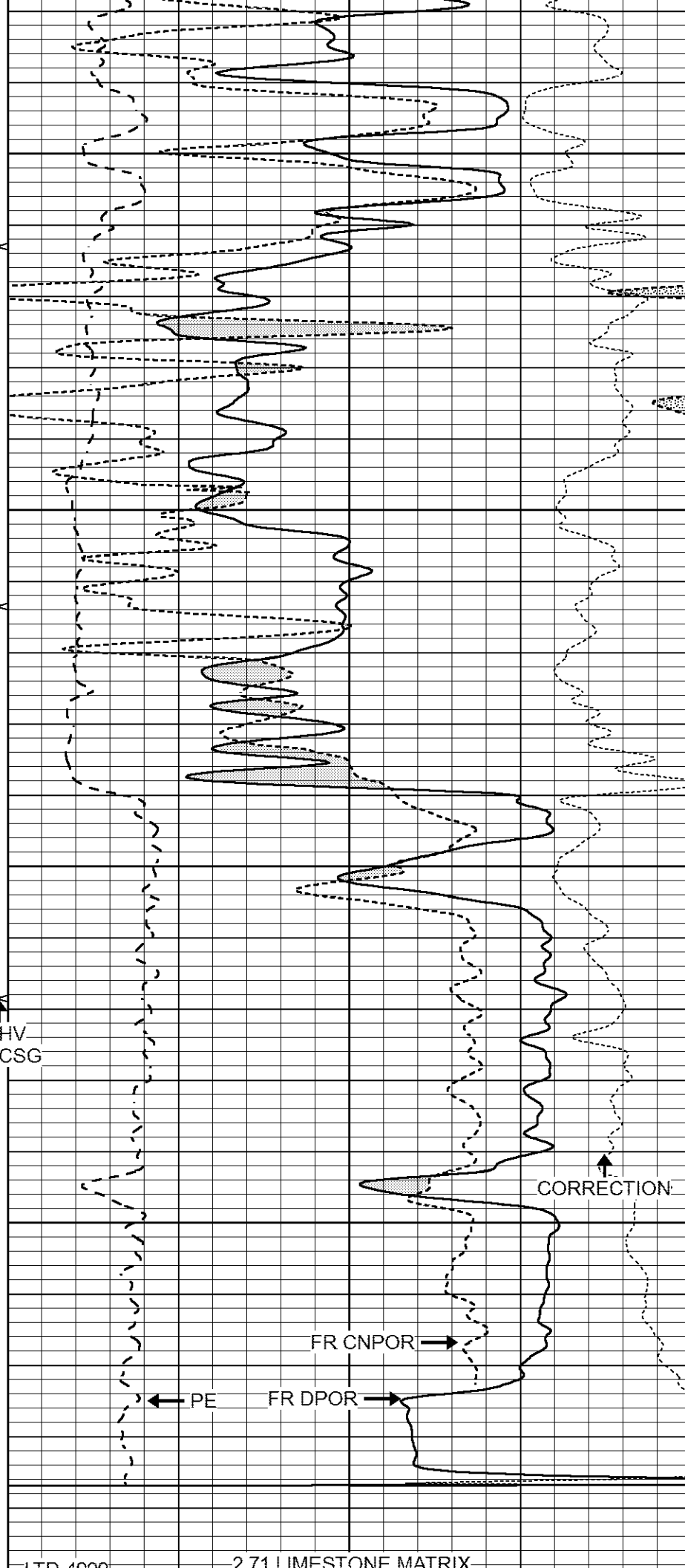
TBHV

FR GR

FR DCAL

ABHV
5.5" CSG

1 TD 4000



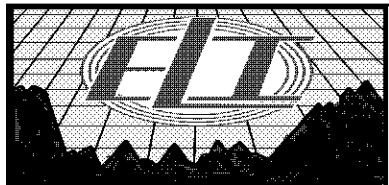
FR CNPOR

FR DPOR

PE

2 71 LIMESTONE MATRIX

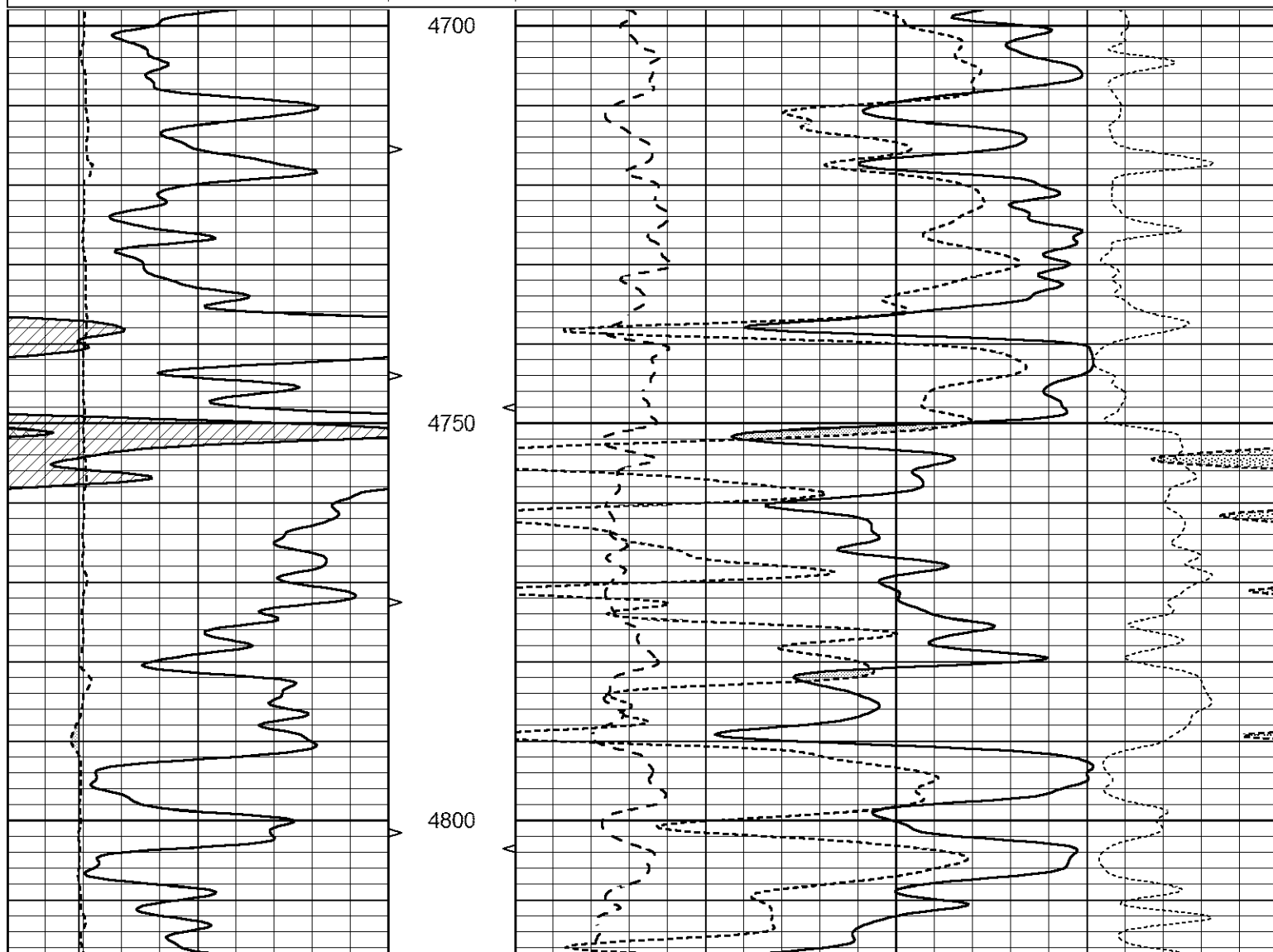
			5000	LTD 4999										277 ELMEST ONE MP1701												
0	GAMMA RAY (GAPI)		150	ABHV	30	COMPENSATED DENSITY (pu)										-10										
6	CALIPER (in)		16		10 (ft3)	0	30	COMPENSATED NEUTRON (pu)										-10								
				TBHV	0	PE					10	-0.25	CORRECTION (g/cc)					0.25								
				0 (ft3)	10																					

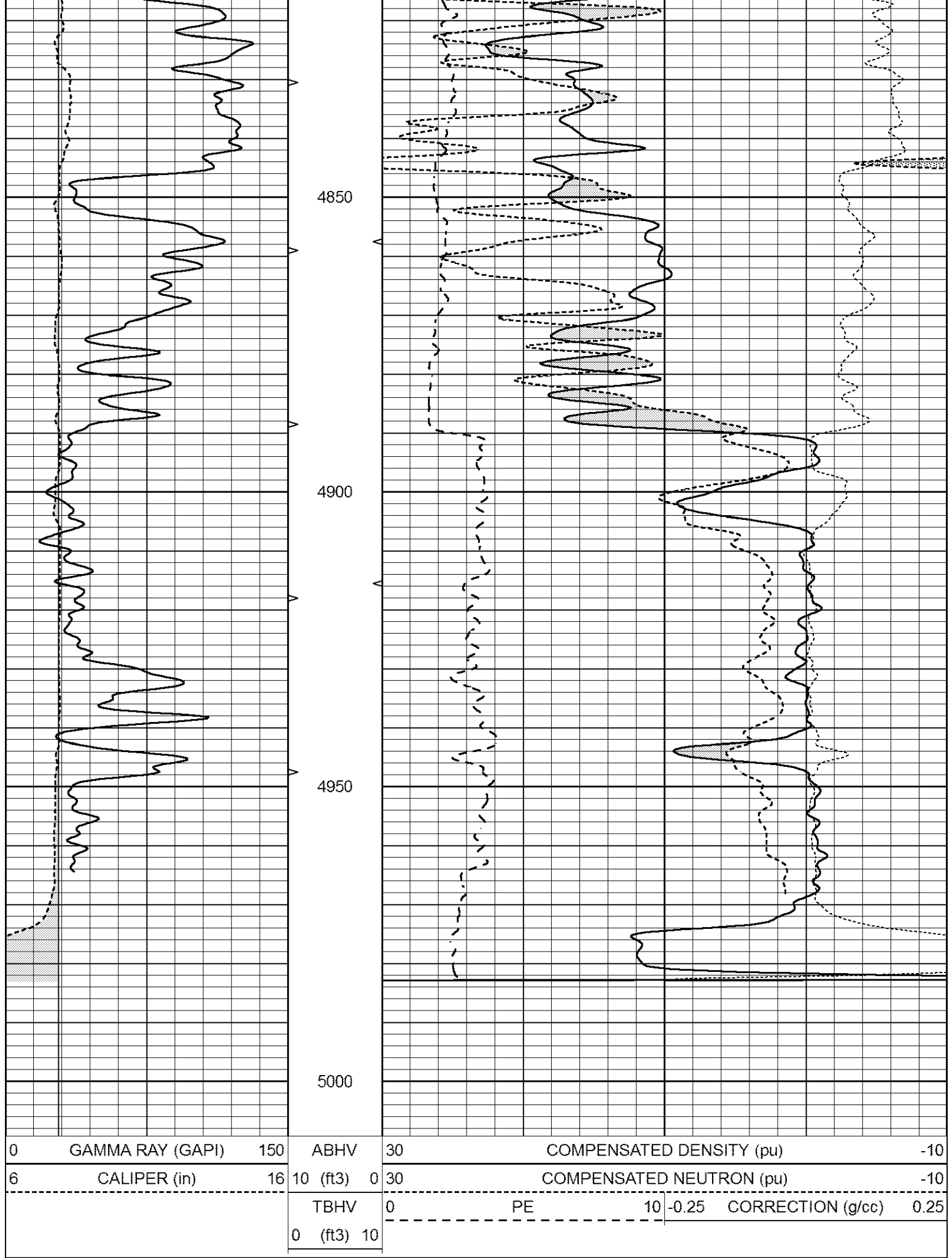


REPEAT SECTION

Database File 3002pe8.db
 Dataset Pathname pass2.2
 Presentation Format _ldt_neu
 Dataset Creation Wed Sep 05 16:18:46 2018
 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						





Calibration Report

Database File 3002pe8.db
 Dataset Pathname pass3.1
 Dataset Creation Wed Sep 05 16:47:10 2018

Dual Induction Calibration Report

Serial-Model: FW1410-55-Probe
 Surface Cal Performed: Mon May 22 14:23:32 2017
 Downhole Cal Performed: Thu Mar 12 09:29:20 2015
 After Survey Verification Performed: Thu Mar 12 09:29:20 2015

Surface Calibration

Readings				References			Results	
Loop:	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		

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:	Wed Jun 29 11:10:58 2016

Calibrator Value:	1.0	GAPI
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Background Reading:	0.0	cps
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Calibrator Reading:	1.0	cps
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Sensitivity:	0.4300	GAPI/cps
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