



**SUPERIOR
Hays,
Kansas**

**COMPENSATED
DENSITY / NEUTRON
LOG**

Company **BEREXCO, LLC**
Well **CHRISTIE #1-35**
Field
County **HODGEMAN** State **KANSAS**

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State **KANSAS**

Location: **API # : 15-083-21640-0000**
1963' FSL & 1535' FWL
SW - NE - SW
SEC 35 TWP 21S RGE 23W
Permanent Datum **GROUND LEVEL** Elevation **2288**
Log Measured From **KELLY BUSHING 13' A.G.L.**
Drilling Measured From **KELLY BUSHING**

Other Services
DIL
MEL/SON
Elevation
K.B. 2301
D.F. 2299
G.L. 2288

Date	5-15-10
Run Number	ONE
Depth Driller	4650
Depth Logger	4655
Bottom Logged Interval	4636
Top Log Interval	3800
Casing Driller	290
Casing Logger	288
Bit Size	7.875
Type Fluid in Hole	CHEMICAL MUD
Density / Viscosity	9.2 / 58
pH / Fluid Loss	9.5 / 16.0
Source of Sample	FLOWLINE
Rim @ Meas. Temp	1.60 @ 78F
Rmf @ Meas. Temp	1.20 @ 78F
Rmc @ Meas. Temp	1.92 @ 78F
Source of Rmf / Rmc	MEASURED
Rim @ BHT	1.02 @ 122F
Time Circulation Stopped	2 HOURS
Time Logger on Bottom	
Maximum Recorded Temperature	122F
Equipment Number	860
Location	HAYS, KS.
Recorded By	JEFF GRONEWEG
Witnessed By	"G" KORALEGEDARA

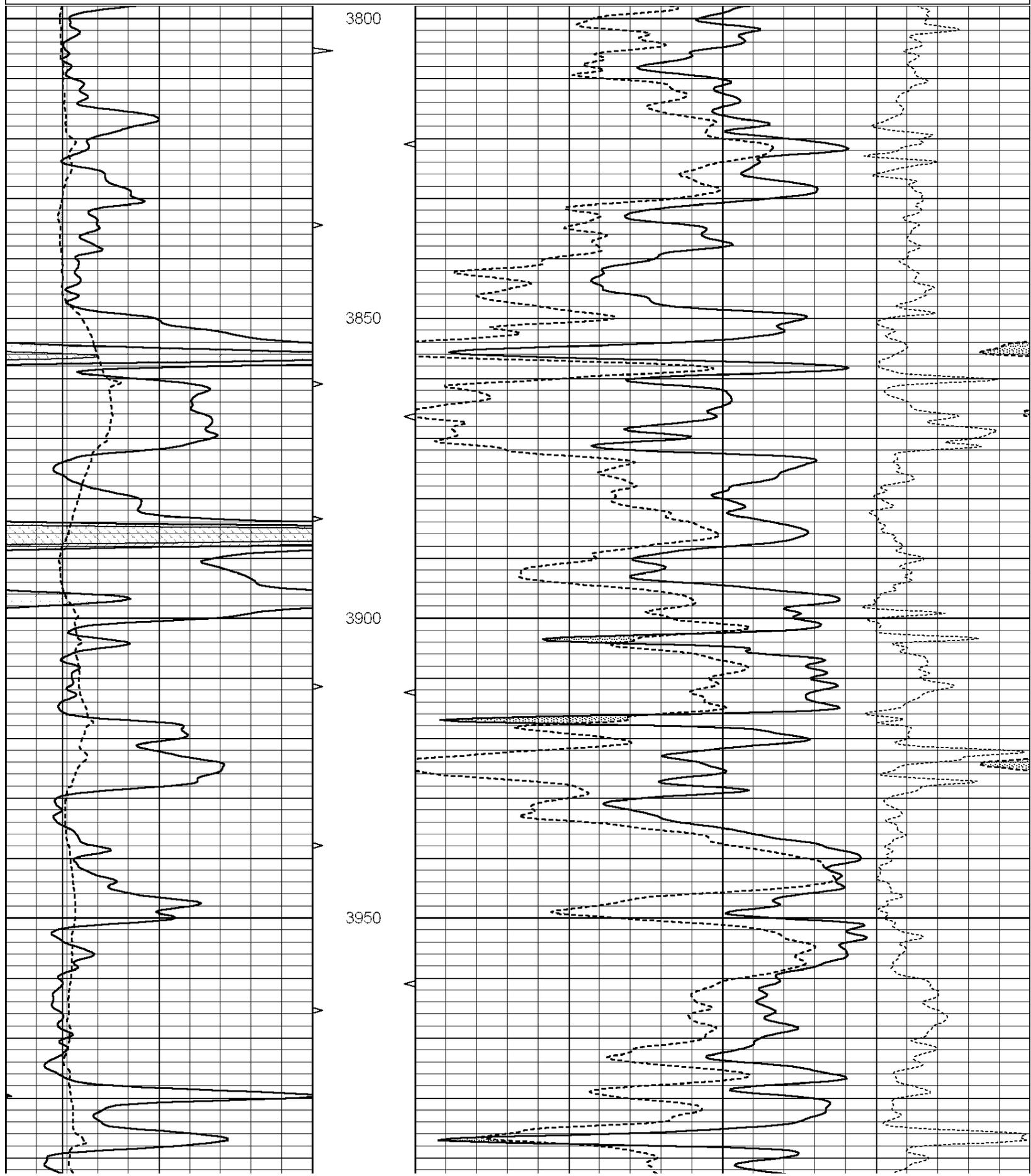
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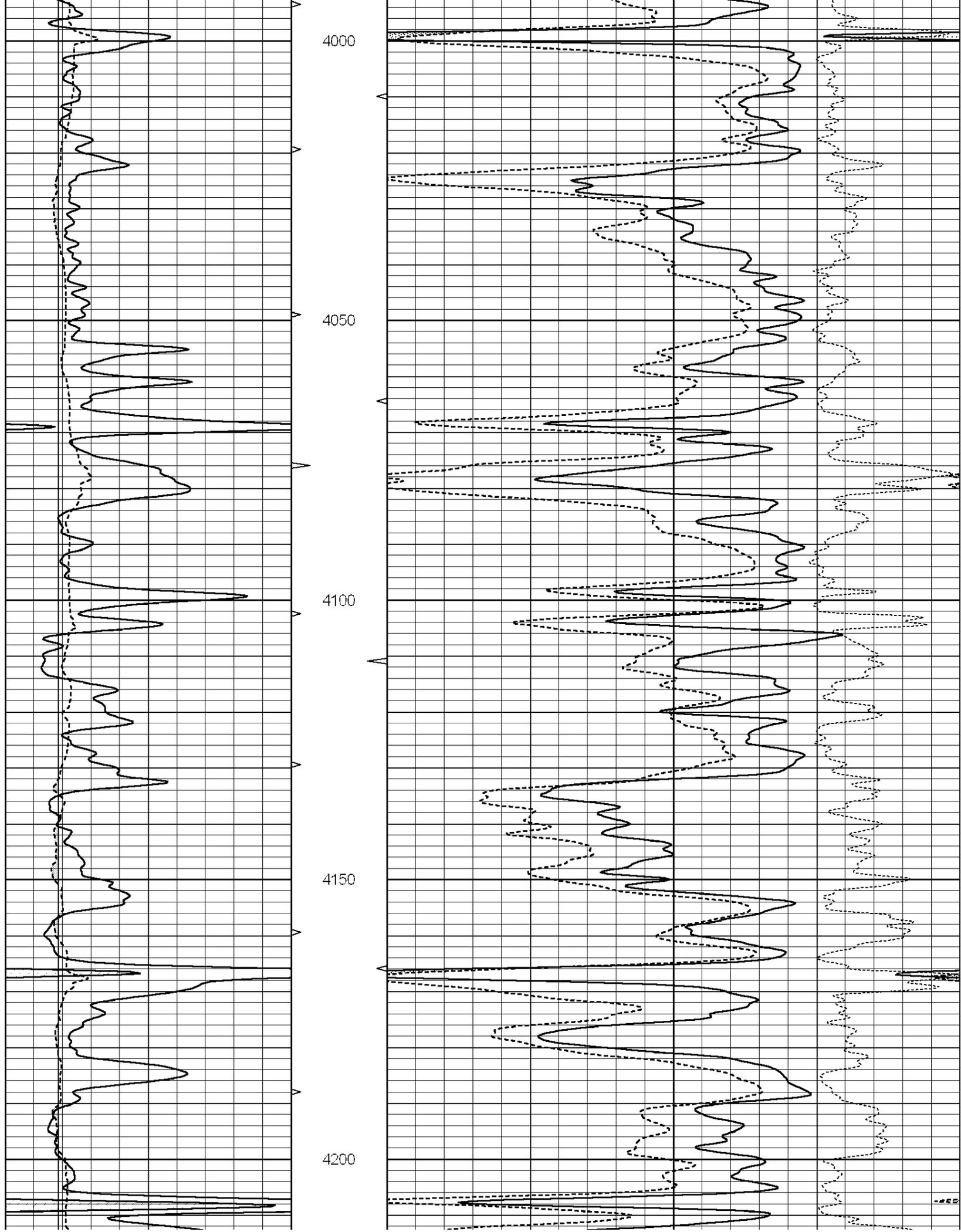
All interpretations are opinions based on inferences from electrical or other measurements and we cannot and do not guarantee the accuracy or correctness of any interpretation, and we shall not, except in the case of gross or willful negligence on our part, be liable or responsible for any loss, costs, 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.

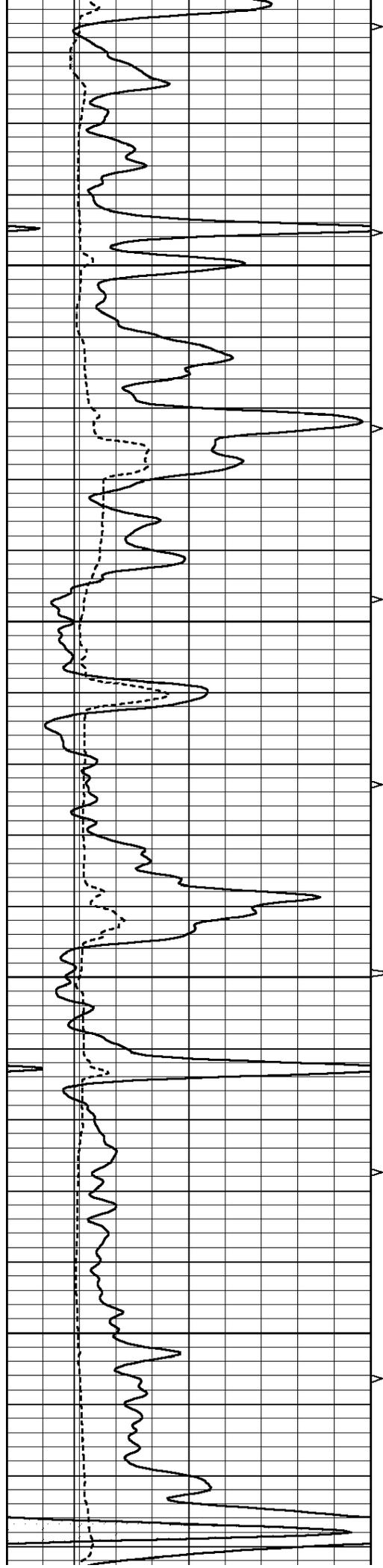
Comments

SUPERIOR WELL SERVICES
785-628-6395
THANK YOU FOR YOUR BUSINESS
DIRECTIONS: JETMORE, KS - 6 MILES NORTH TO RD S - 4 MILES EAST
NORTH INTO

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





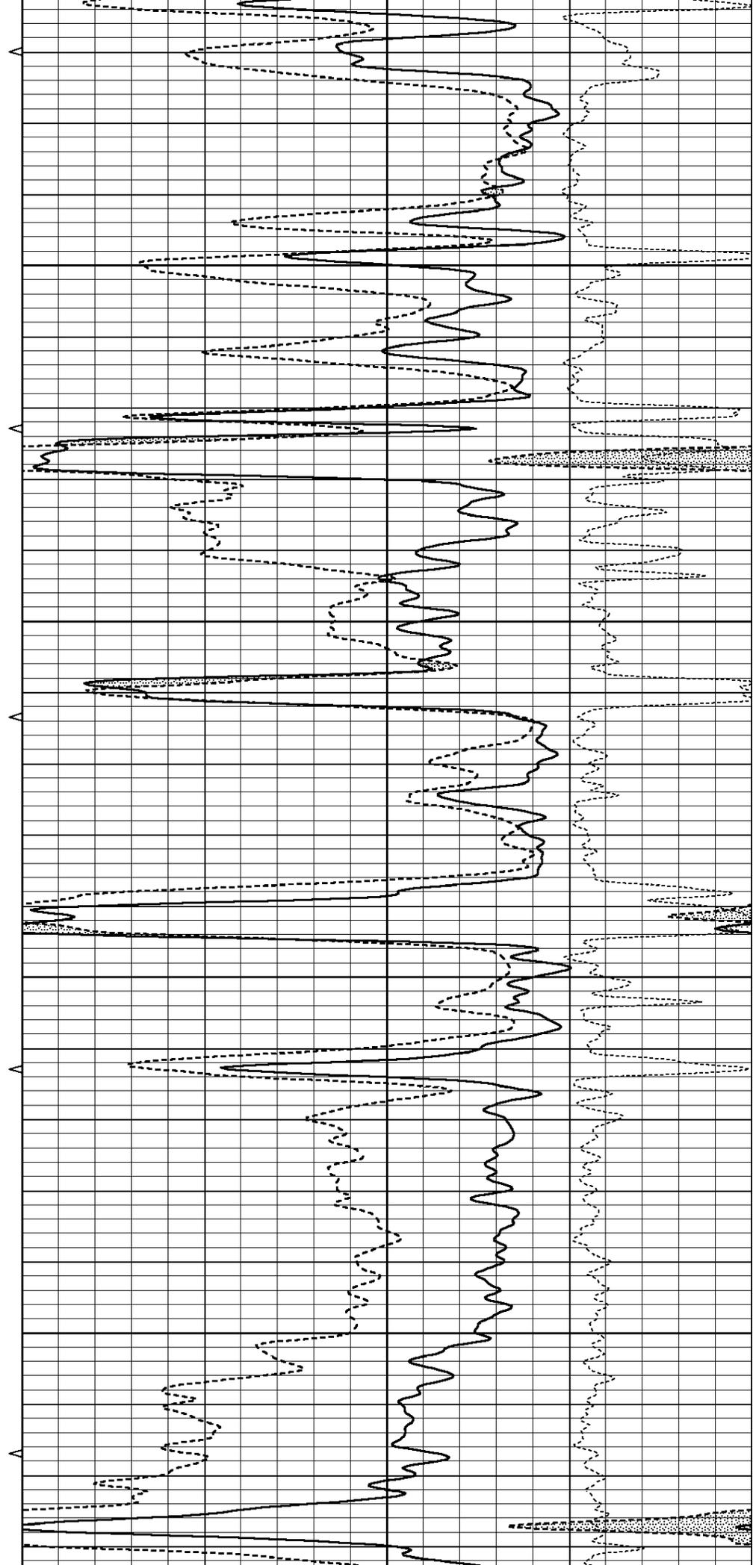


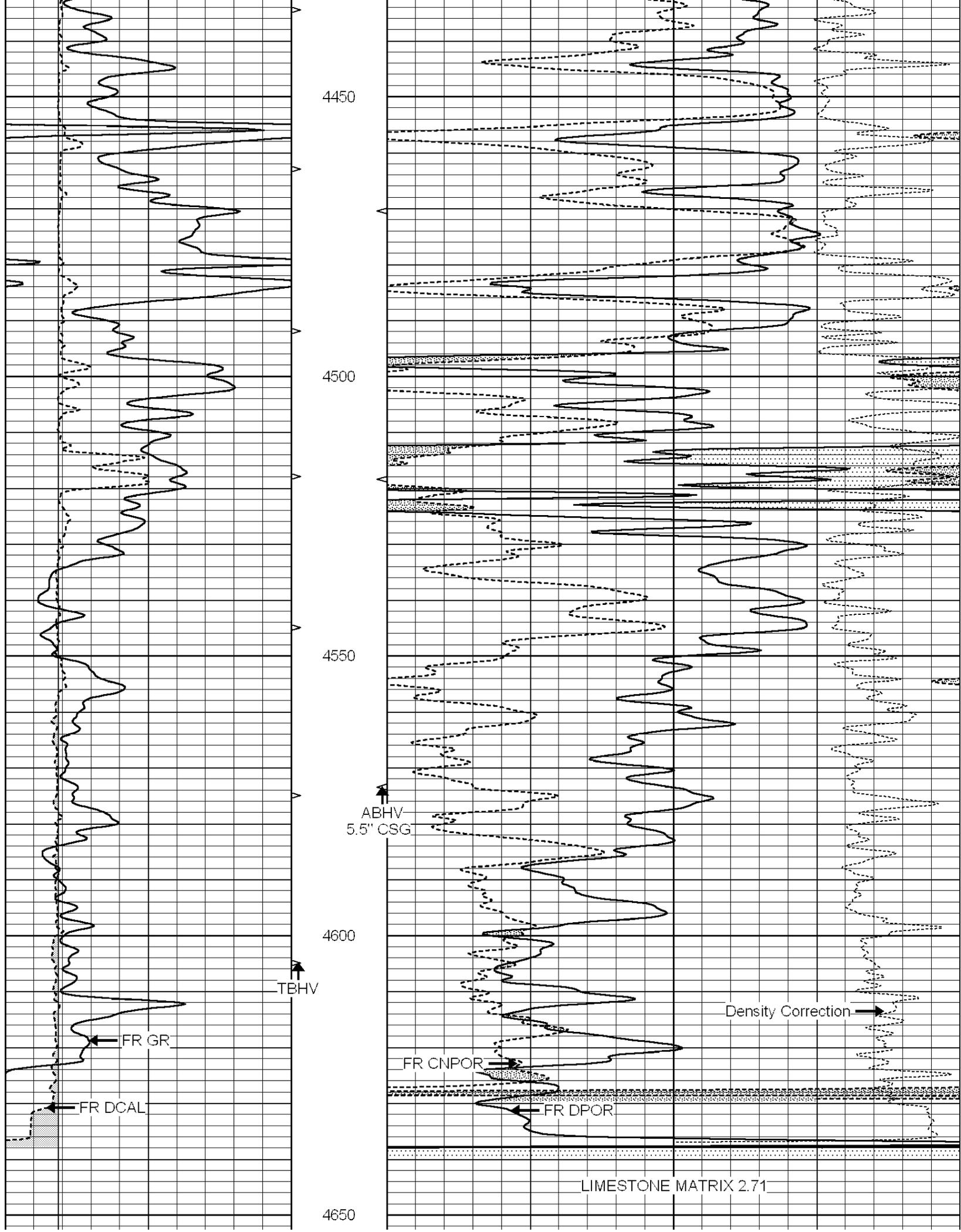
4250

4300

4350

4400





LTD 4655

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

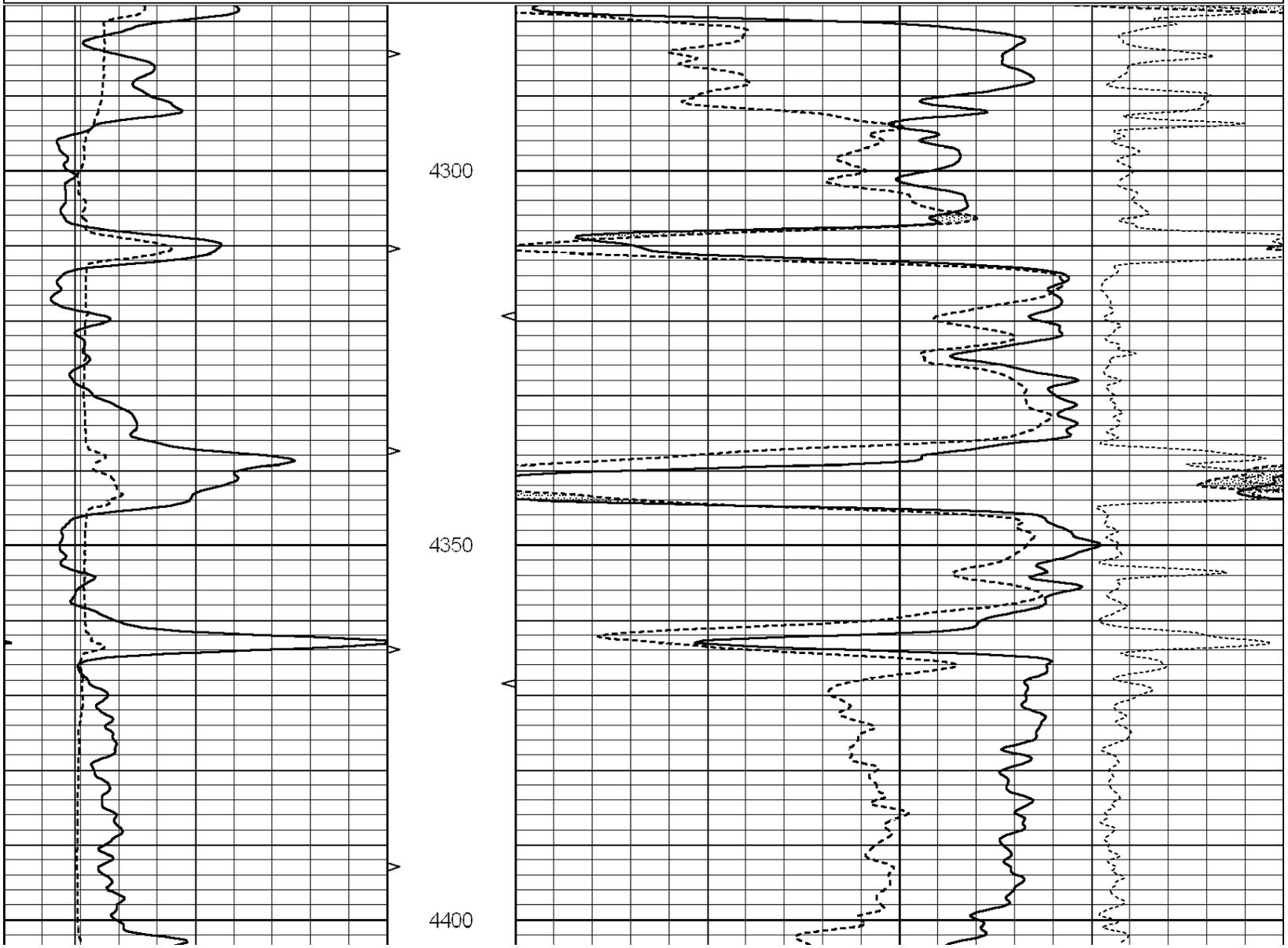


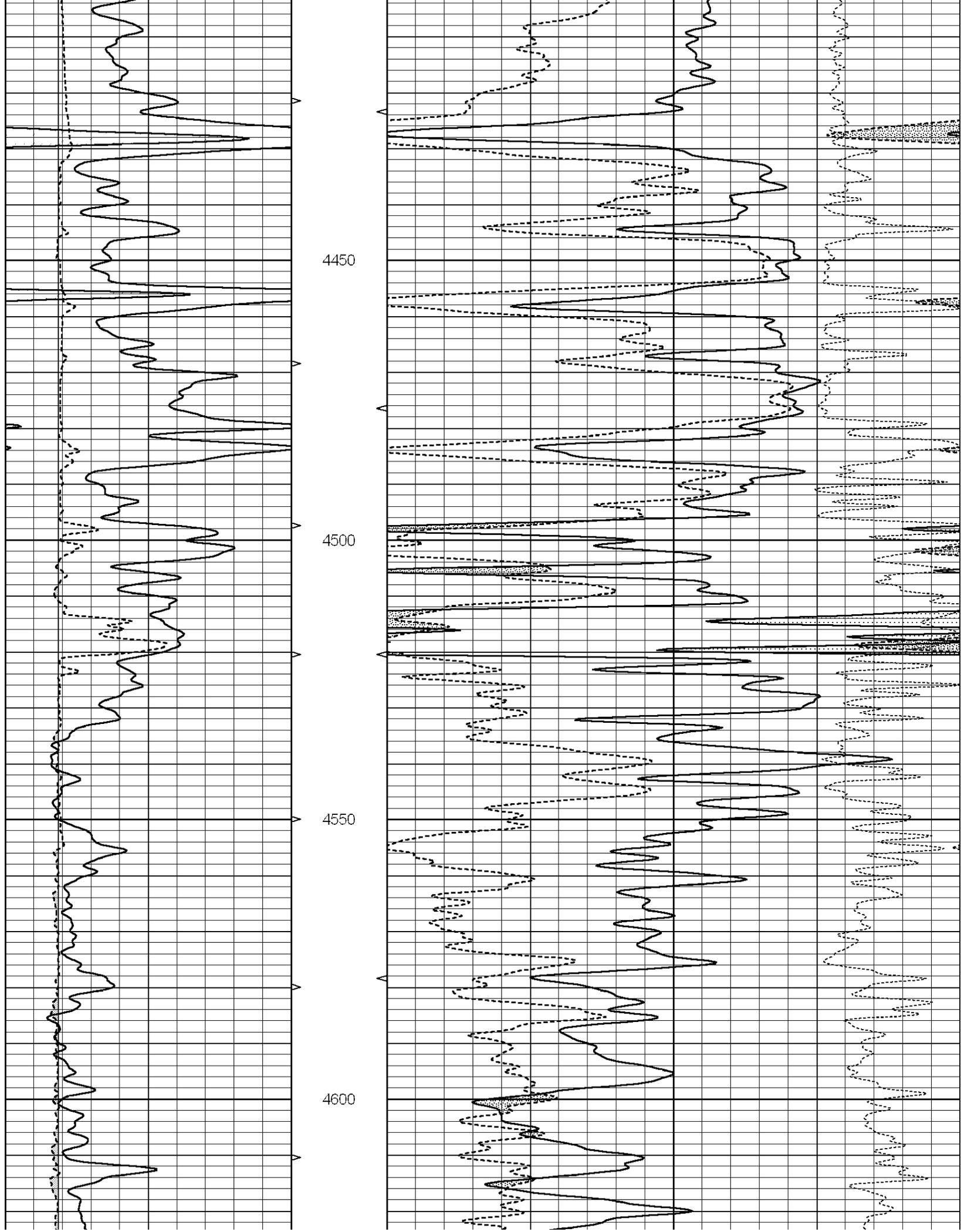
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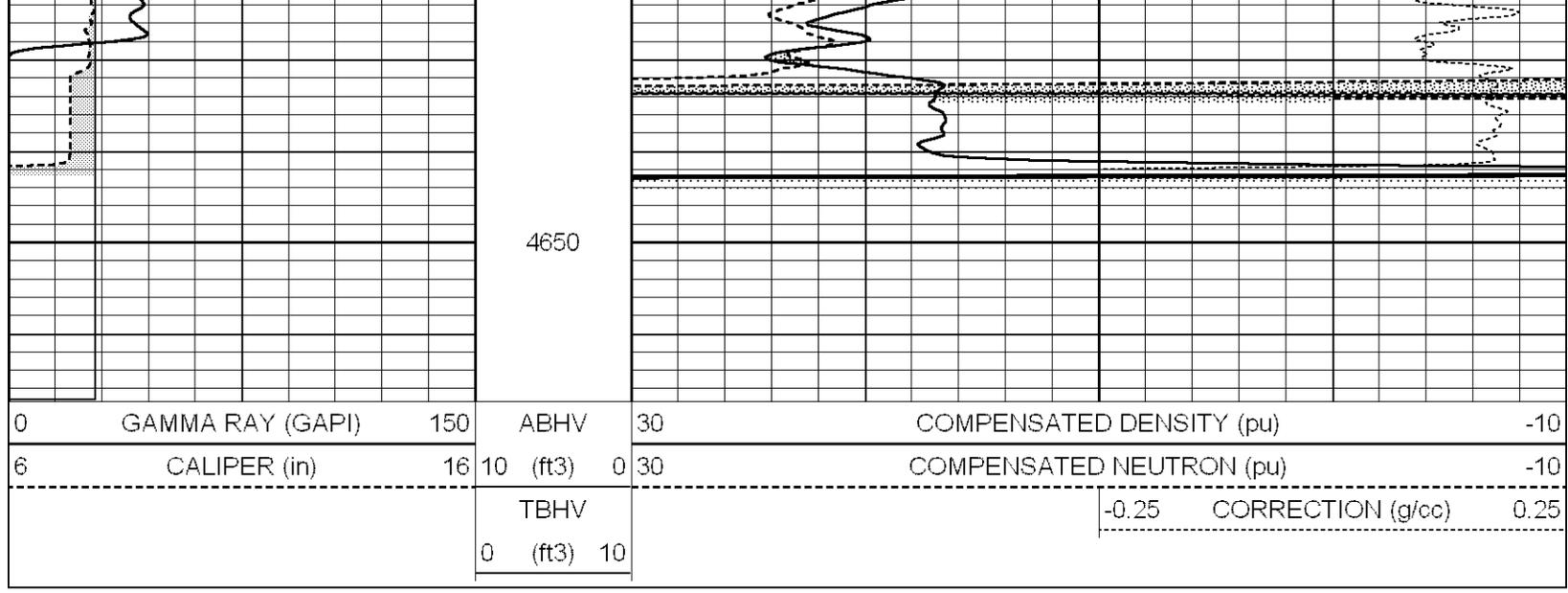
REPEAT SECTION

Database File: 005193ddn.db
Dataset Pathname: pass4.3
Presentation Format: den_neu
Dataset Creation: Sat May 15 11:15:36 2010
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	-0.25	CORRECTION (g/cc)	0.25
			0 (ft3) 10			







Calibration Report

Database File: 005193ddn.db
 Dataset Pathname: pass5.2.3
 Dataset Creation: Sat May 15 11:51:43 2010 by Calc Open-Cased 090629

Dual Induction Calibration Report

Serial-Model: DIL5-GEAR
 Performed: Wed May 12 00:24:58 2010

Loop:	Readings			References			Results	
	Air	Loop	V	Air	Loop	mmho/m	m	b
Deep	0.004	0.654	V	0.000	400.000	mmho/m	550.000	-10.000
Medium	-0.005	0.737	V	0.000	462.500	mmho/m	520.000	-12.000
Internal:	Zero	Cal		Zero	Cal		m	b
Deep	0.006	0.655	V	0.000	400.000	mmho/m	615.668	-3.483
Medium	0.010	0.747	V	0.000	462.500	mmho/m	627.607	-6.064

Compensated Density Calibration Report

Serial-Model: GEAR1-GEARHART
 Source / Verifier: 147 / 147
 Master Calibration Performed: Thu May 13 22:22:01 2010

Master Calibration

	Density		Far Detector	Near Detector	
Magnesium	1.710	g/cc	1243.76	629.14	cps
Aluminum	2.570	g/cc	282.16	435.01	cps
Spine Angle = 76.03			Density/Spine Ratio = 0.563		
	Size		Reading		
Small Ring	9.05	in	3.82	V	
Large Ring	14.00	in	6.37	V	

Compensated Neutron Calibration Report

Serial Number: NEU_11
 Tool Model: G

CALIBRATION

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

Gamma Ray Calibration Report

Serial Number: GR5
Tool Model: OPEN
Performed: Wed May 12 00:23:46 2010

Calibrator Value: 1.0 GAPI

Background Reading: 0.0 cps
Calibrator Reading: 1.0 cps

Sensitivity: 0.6200 GAPI/cps