



SUPERIOR
Hays,
Kansas

COMPENSATED
DENSITY/NEUTRON
LOG

Company PELICAN HILL OIL & GAS, INC.
Well NELSON #4-16
Field WILDCAT
County TREGO
State KANSAS

Company PELICAN HILL OIL & GAS, INC.
Well NELSON #4-16
Field WILDCAT
County TREGO State KANSAS

Location: 2236' FSL & 77' FEL
API # : 15-195-22737-0000

Other Services
DIL/MEL
SON/FRAC

SEC 16 TWP 11S RGE 21W

Permanent Datum GROUND LEVEL Elevation 2231
Log Measured From KELLY BUSHING 8.6 A.G.L.
Drilling Measured From KELLY BUSHING

Elevation
K.B. 2239.6
D.F. 2237.6
G.L. 2231

Date 11/2/11

Run Number ONE

Depth Driller 3864

Depth Logger 3871

Bottom Logged Interval 3847

Top Log Interval 3250

Casing Driller 8 5/8" @ 271

Casing Logger 278

Bit Size 7 7/8

Type Fluid in Hole CHEMICAL MUD

Density / Viscosity 9.2/54

pH / Fluid Loss 10.5/5.2

Source of Sample FLOWLINE

Rim @ Meas. Temp .50 @ 58F

Rmf @ Meas. Temp .37 @ 58F

Rmc @ Meas. Temp .60 @ 58F

Source of Rmf / Rmc MEASURED

Rim @ BHT .25 @ 115F

Time Circulation Stopped 2 HOURS

Time Logger on Bottom 115F

Maximum Recorded Temperature 115F

Equipment Number 680

Location HAYS, KS.

Recorded By JASON CAPPELLUCCI

Witnessed By CHRIS BEAN

<<< Fold Here >>>

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 SUPERIOR WELL SERVICE (785) 628-6395
DIRECTIONS
I-70 & RIGA EXIT - 8.3 MILES NORTH - W. & N. INTO

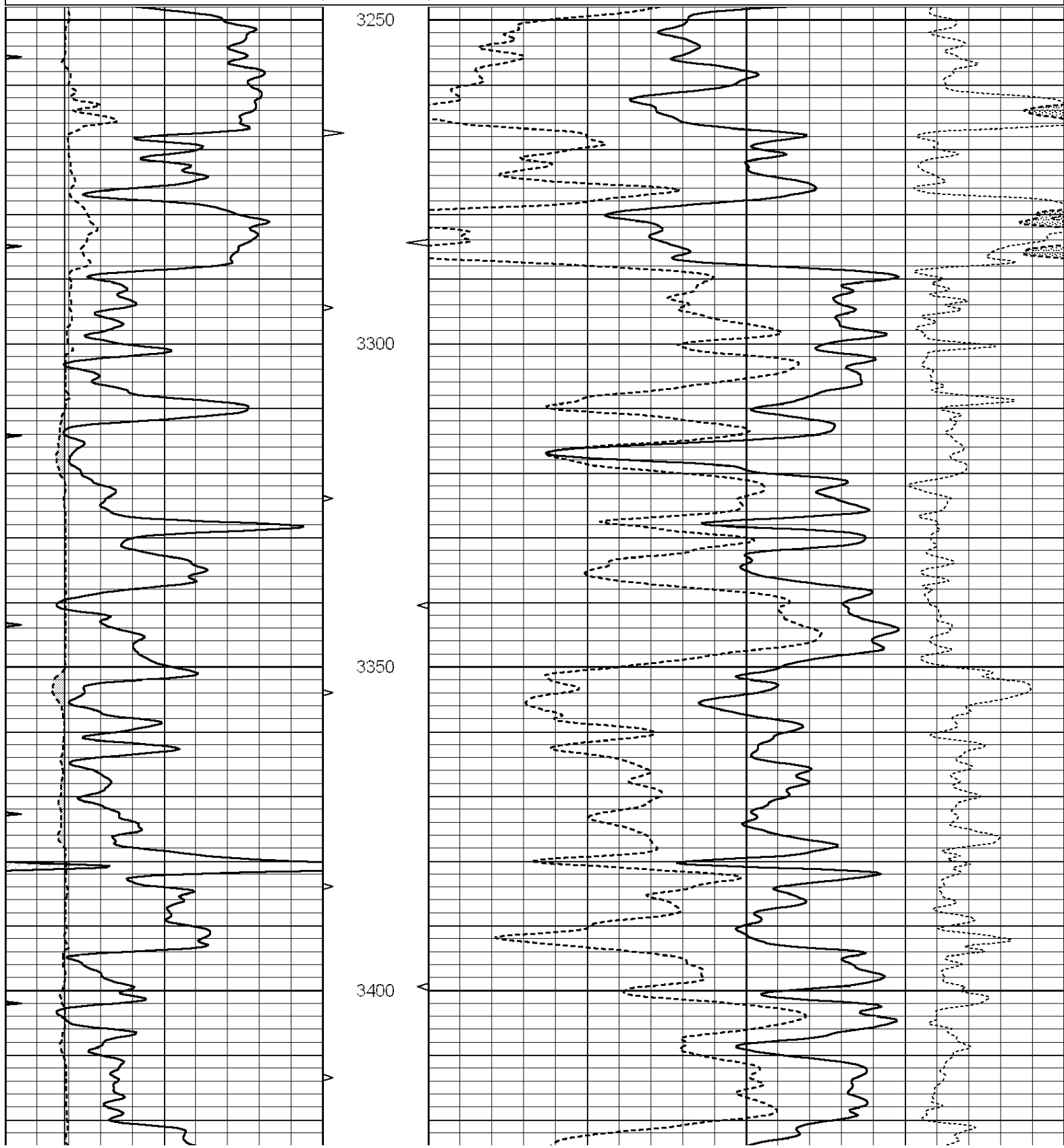


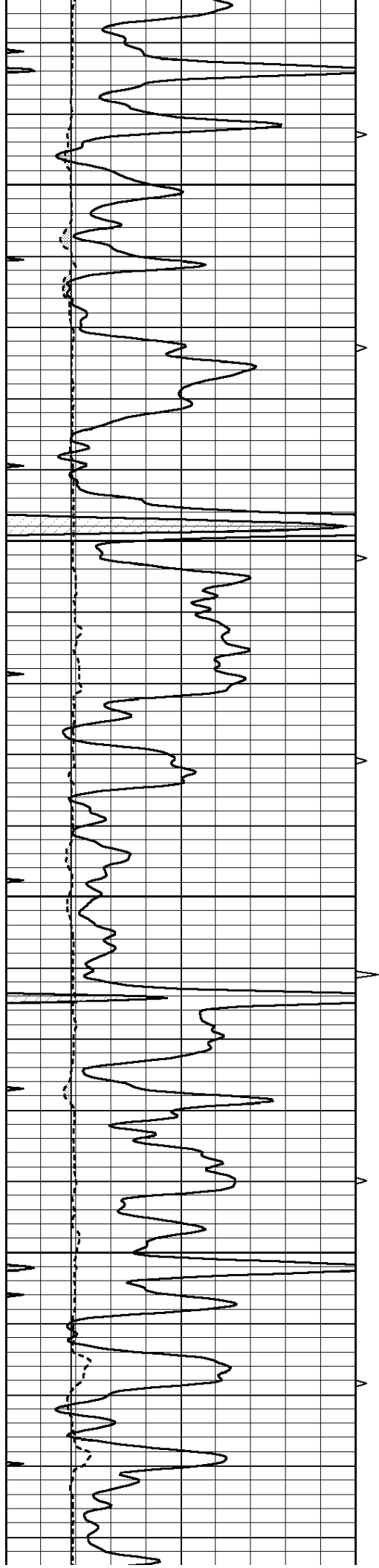
SUPERIOR
Hays,
Kansas

MAIN SECTION

Database File: 007898ddn.db
 Dataset Pathname: pass3.1
 Presentation Format: _den_neu
 Dataset Creation: Wed Nov 02 06:27:23 2011 by Calc Open-Cased 090629
 Charted by: Depth in Feet scaled 1:240

0	GAMMA RAY (GAPI)	150	AVTX	30	COMPENSATED DENSITY (pu)	-10
6	CALIPER (in)	16	10 (ft3)	0 30	COMPENSATED NEUTRON (pu)	-10
0	MINMK	20	BVTX		-0.25 CORRECTION (g/cc)	0.25
			0 (ft3)	10		



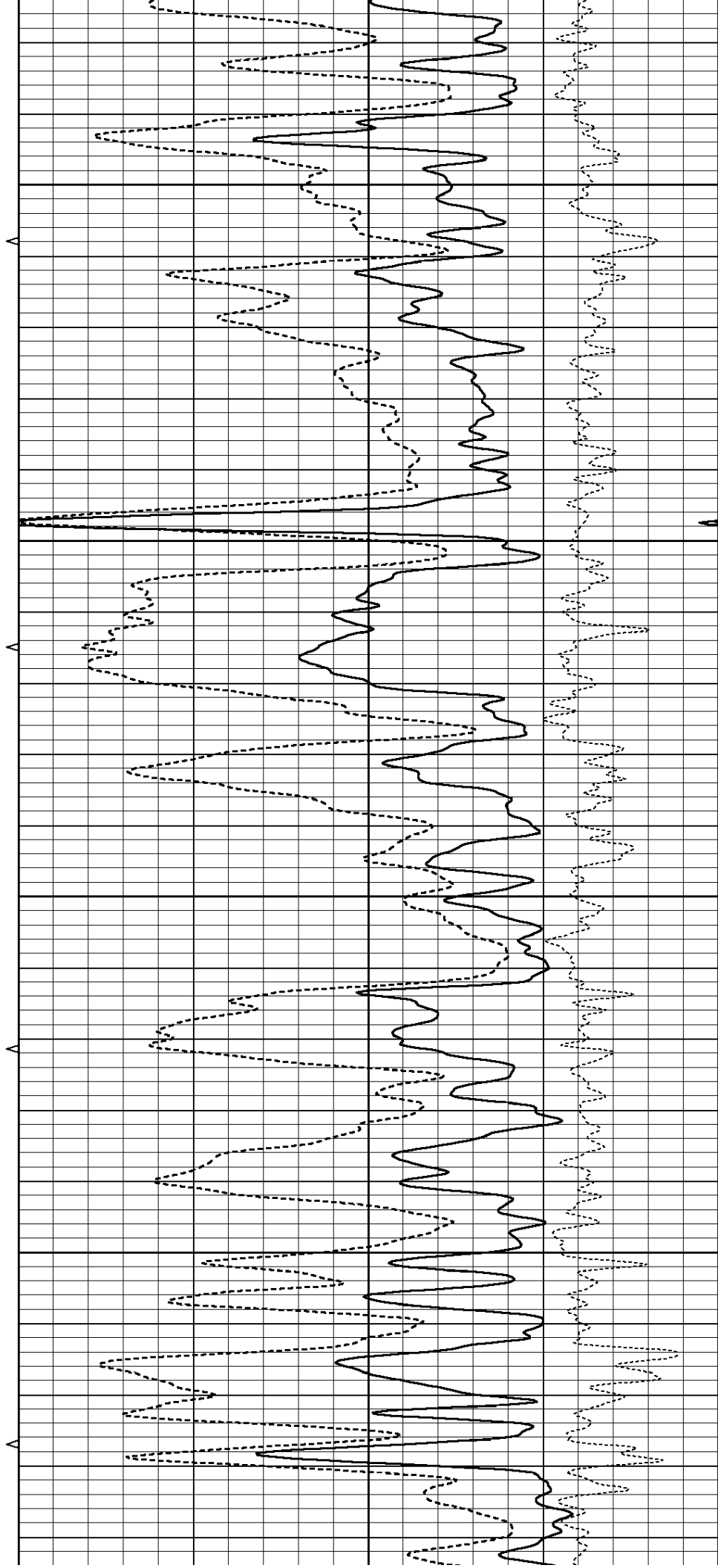


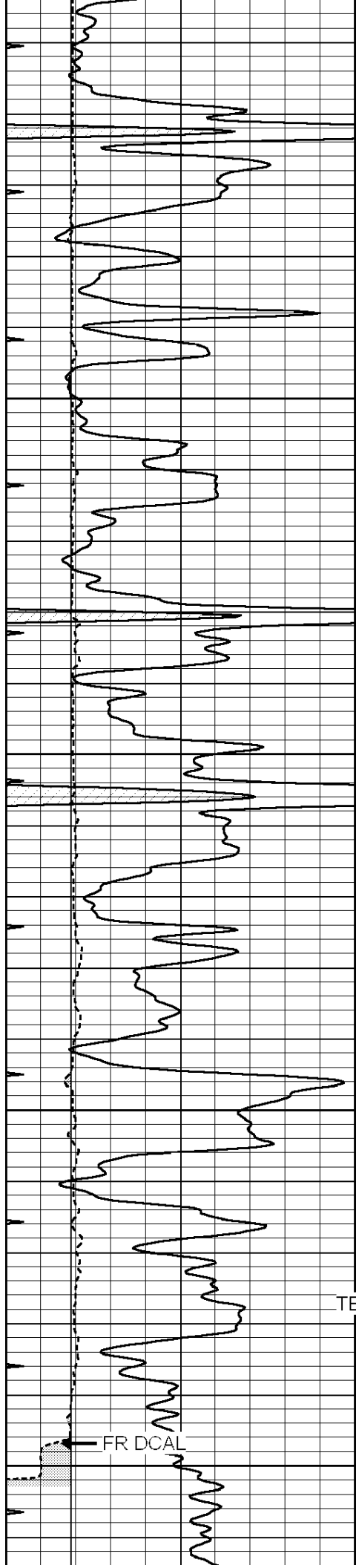
3450

3500

3550

3600





3650

3700

3750

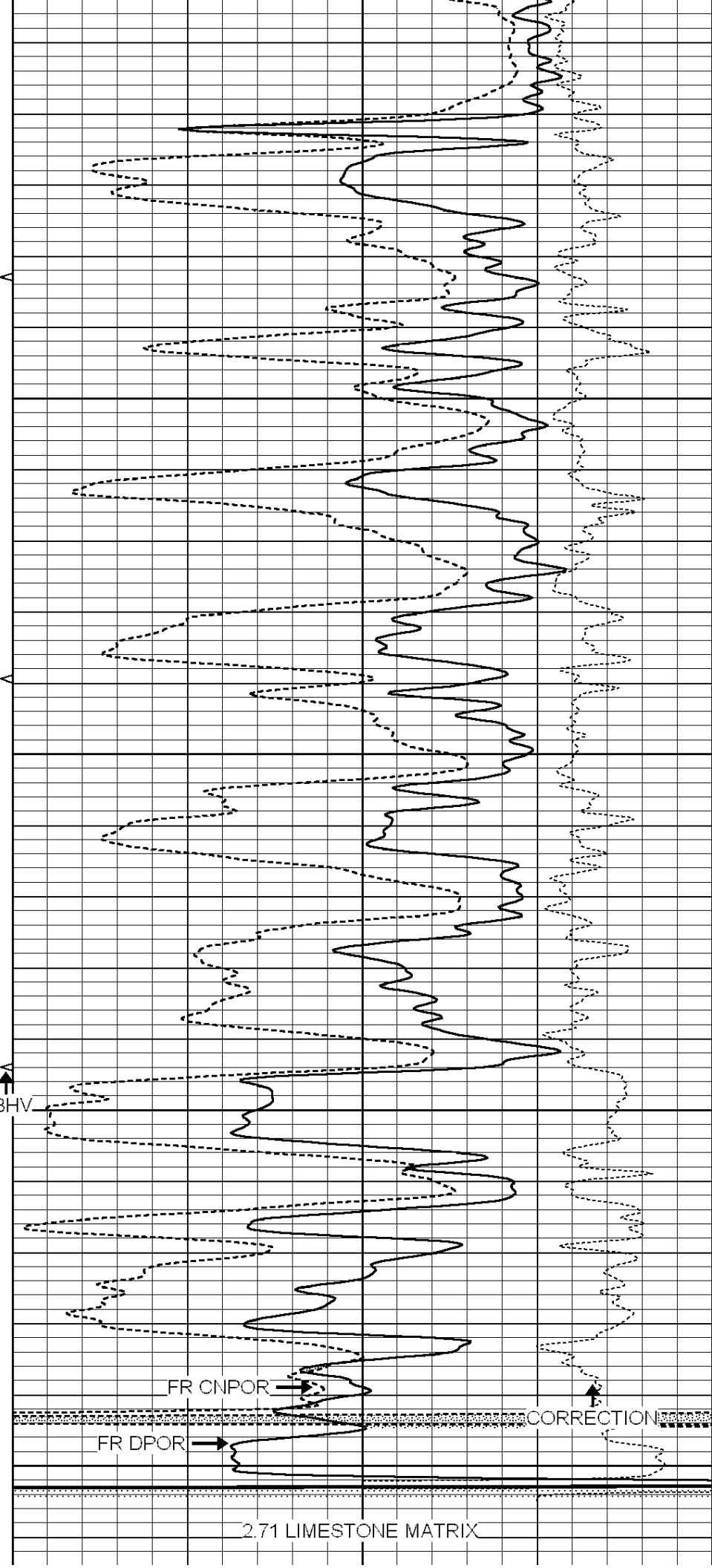
3800 ABHV

5.5" CSG

TBHV

FR DCAL

3850

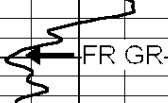


FR CNPOR

FR DPOR

CORRECTION

2.71 LIMESTONE MATRIX

			LTD 3871					
0	GAMMA RAY (GAPI)	150	AVTX	30	COMPENSATED DENSITY (pu)			-10
6	CALIPER (in)	16	10 (ft3) 0	30	COMPENSATED NEUTRON (pu)			-10
0	MINMK	20	BVTX				-0.25	CORRECTION (g/cc) 0.25
			0 (ft3) 10					

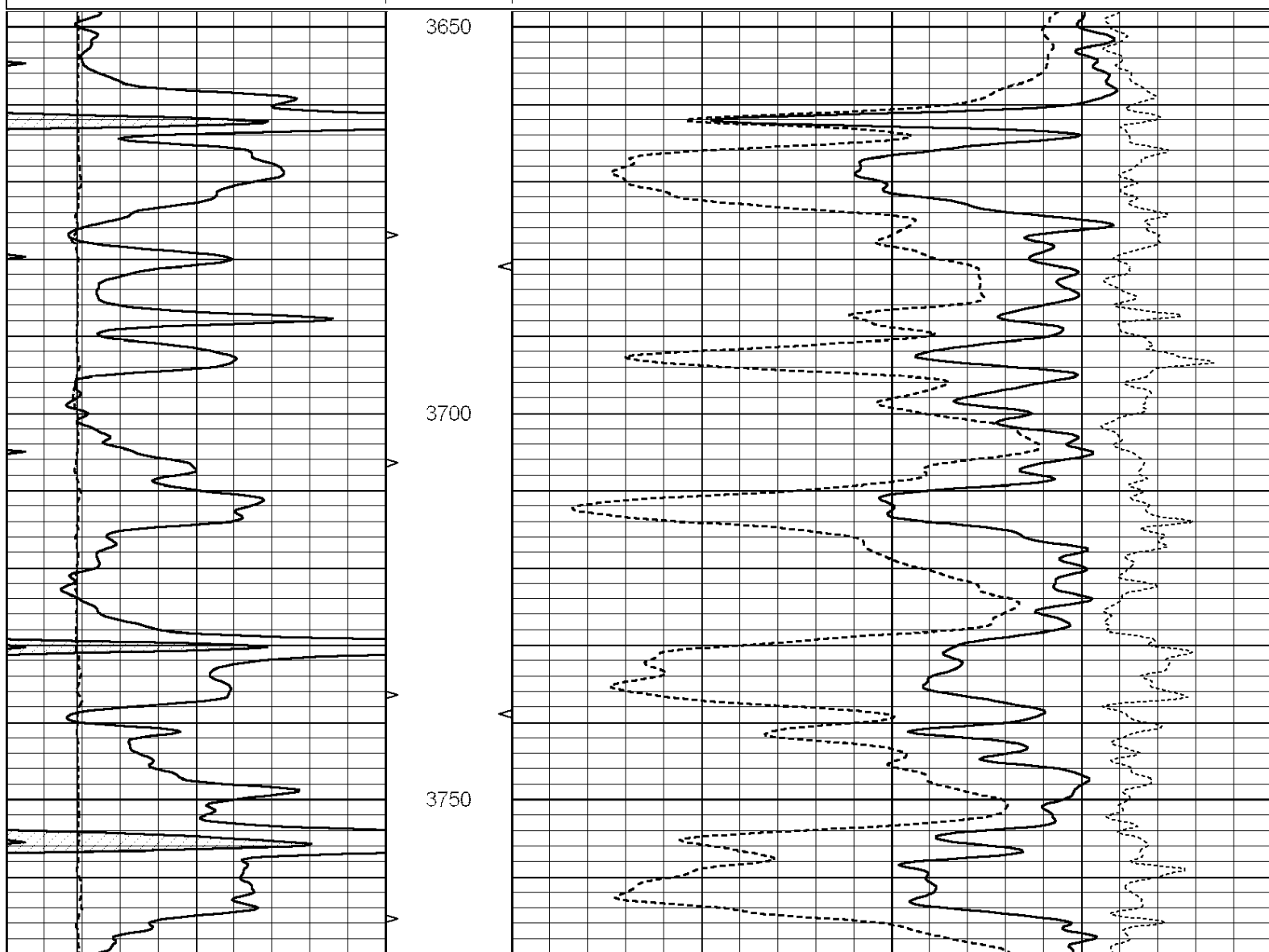


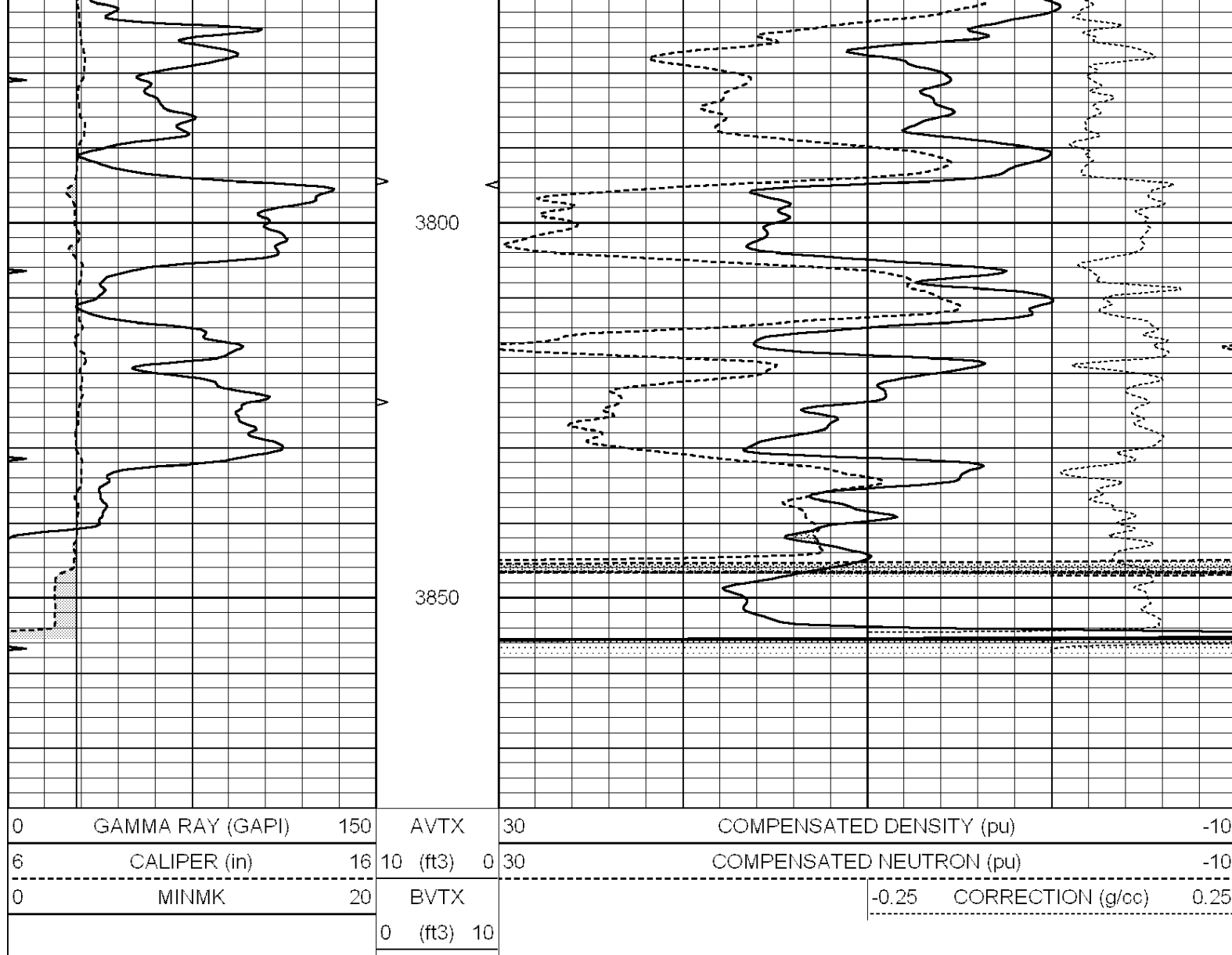
SUPERIOR
Hays,
Kansas

REPEAT SECTION

Database File: 007898ddn.db
Dataset Pathname: pass2.1
Presentation Format: _den_neu
Dataset Creation: Wed Nov 02 06:40:17 2011 by Calc Open-Cased 090629
Charted by: Depth in Feet scaled 1:240

0	GAMMA RAY (GAPI)	150	AVTX	30	COMPENSATED DENSITY (pu)			-10	
6	CALIPER (in)	16	10 (ft3) 0	30	COMPENSATED NEUTRON (pu)			-10	
0	MINMK	20	BVTX				-0.25	CORRECTION (g/cc)	0.25
			0 (ft3) 10						





Calibration Report

Database File: 007898ddn.db
Dataset Pathname: pass2.1
Dataset Creation: Wed Nov 02 06:40:17 2011 by Calc Open-Cased 090629

Dual Induction Calibration Report

Serial-Model: PROBE7-DILG
Surface Cal Performed: Wed Jul 30 06:14:24 2008
Downhole Cal Performed: Mon Jul 28 12:02:56 2008
After Survey Verification Performed: Mon Jul 28 12:02:56 2008

Surface Calibration

Loop:	Readings			References			Results	
	Air	Loop		Air	Loop		m	b
Deep	-0.014	0.629	V	0.000	400.000	mmho/m	621.923	8.759
Medium	0.039	0.728	V	0.000	464.000	mmho/m	673.322	-26.058
Internal:	Readings			References			Results	
	Zero	Cal		Zero	Cal		m	b
Deep	0.011	0.610	V	0.000	400.000	mmho/m	667.135	-7.256
Medium	0.005	0.712	V	0.000	464.000	mmho/m	655.677	-3.102

Downhole Calibration

Readings References Results

	Zero	Cal		Zero	Cal		m'	b'
Deep	0.000	0.000	mmho/m	14.508	388.384	mmho/m	1.000	0.000
Medium	0.000	0.000	mmho/m	166.367	504.400	mmho/m	1.000	0.000
LL3		7.500	V		1400.000	Ohm-m		
		0.000	V		20.000	Ohm-m		
		-7.200	V		4000.000	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		

Compensated Density Calibration Report

Serial-Model:	GEAR4-GEARHART
Source / Verifier:	143 / 143
Master Calibration Performed:	Sat Jul 16 17:35:04 2011

Master Calibration						
	Density			Far Detector		Near Detector
Magnesium	1.710	g/cc		1015.91		497.51 cps
Aluminum	2.600	g/cc		227.67		350.20 cps
Spine Angle = 76.79				Density/Spine Ratio = 0.579		
	Size			Reading		
Small Ring	8.00	in		2.24	V	
Large Ring	14.00	in		4.38	V	

Compensated Neutron Calibration Report

Serial Number:	6I
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:	#8	
Tool Model:	OPEN	
Performed:	Mon Jun 13 16:56:43 2011	
Calibrator Value:	150.0	GAPI
Background Reading:	0.0	cps
Calibrator Reading:	175.0	cps
Sensitivity:	0.8371	GAPI/cps