



SUPERIOR
Hays,
Kansas

COMPENSATED
DENSITY / NEUTRON
LOG

Company I.A. OPERATING, INC.
Well JAMISON FAMILY TRUST #29-1
Field WILDCAT
County SHERIDAN
State KANSAS

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Location: API # : 15-179-21243-0000

1650' FNL & 1050' FEL

SEC 29 TWP 8S RGE 27W

Permanent Datum GROUND LEVEL Elevation 2606
Log Measured From KELLY BUSHING 5' A.G.L.
Drilling Measured From KELLY BUSHING

Other Services
DIL/MEL
SONIC
Elevation
K.B. 2611
D.F. 2609
G.L. 2606

Date	12/20/09		
Run Number	CNE		
Depth Driller	4020		
Depth Logger	4012		
Bottom Logged Interval	3988		
Top Log Interval	3200		
Casing Driller	8 5/8"@221'		
Casing Logger	221		
Bit Size	7 7/8		
Type Fluid in Hole	CHEMICAL MUD	CHLORIDES 2,000 PPM	
Density / Viscosity	9.3/54		
pH / Fluid Loss	10.2/7.8		
Source of Sample	FLOWLINE		
Rm @ Meas. Temp	1.30@80F		
Rmf @ Meas. Temp	.975@80F		
Rmc @ Meas. Temp	1.56@80F		
Source of Rmf / Rmc	MEASUREMENT		
Rm @ BHT	.897@116F		
Time Circulation Stopped	2 HOURS		
Time Logger on Bottom	4:45 A.M.		
Maximum Recorded Temperature	116F		
Equipment Number	0836		
Location	HAYS, KANSAS		
Recorded By	JEFF LUEBBERS		
Witnessed By	STEVE MILLER		

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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 SUPERIOR WELL SERVICE HAYS, KANSAS (785) 628-6395
DIRECTIONS
TASCO, KS. 2 W. ON HWY 24 TO "RD. 50", 2 S., 1/4 W., S. INTO PASTURE

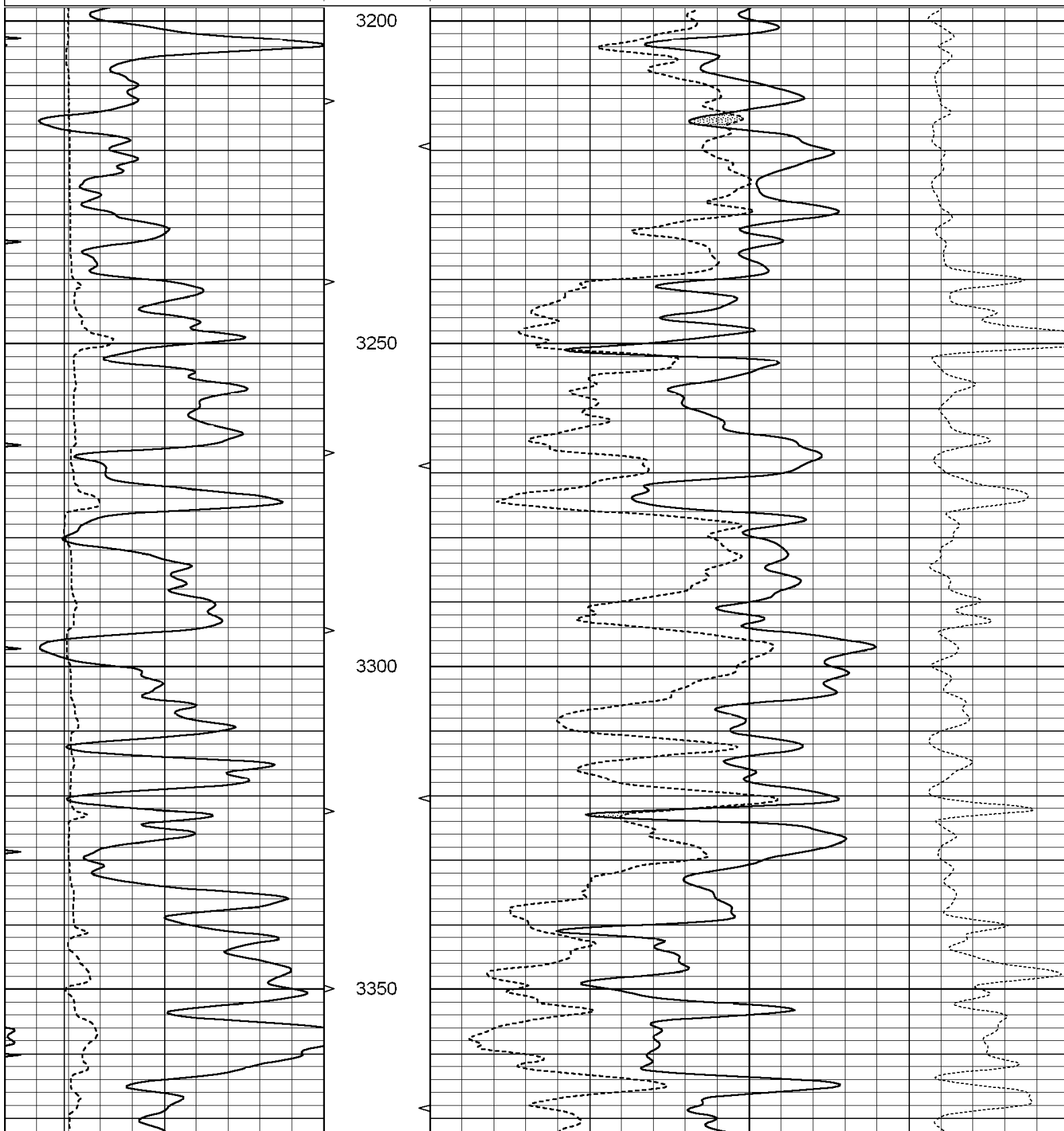


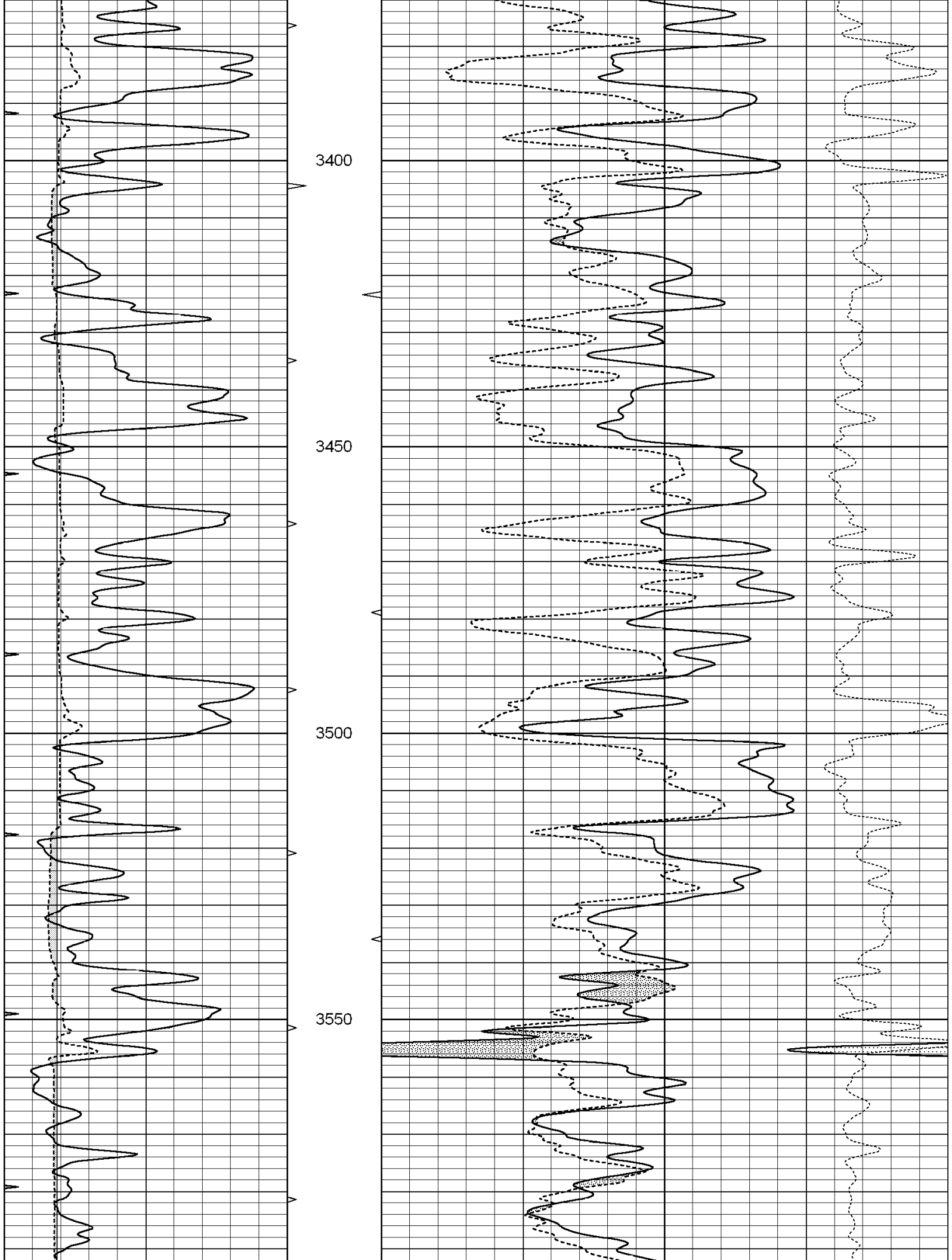
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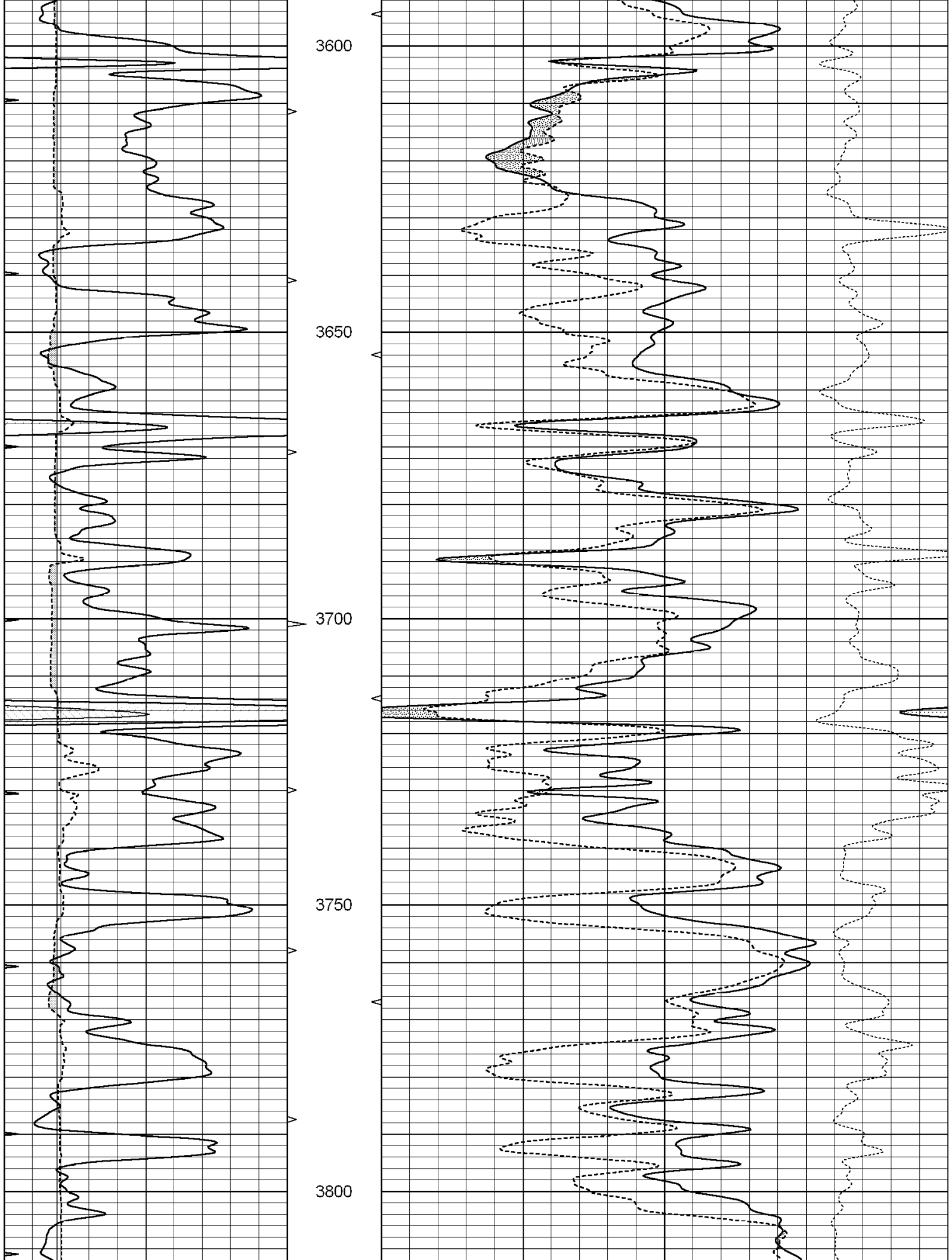
MAIN SECTION

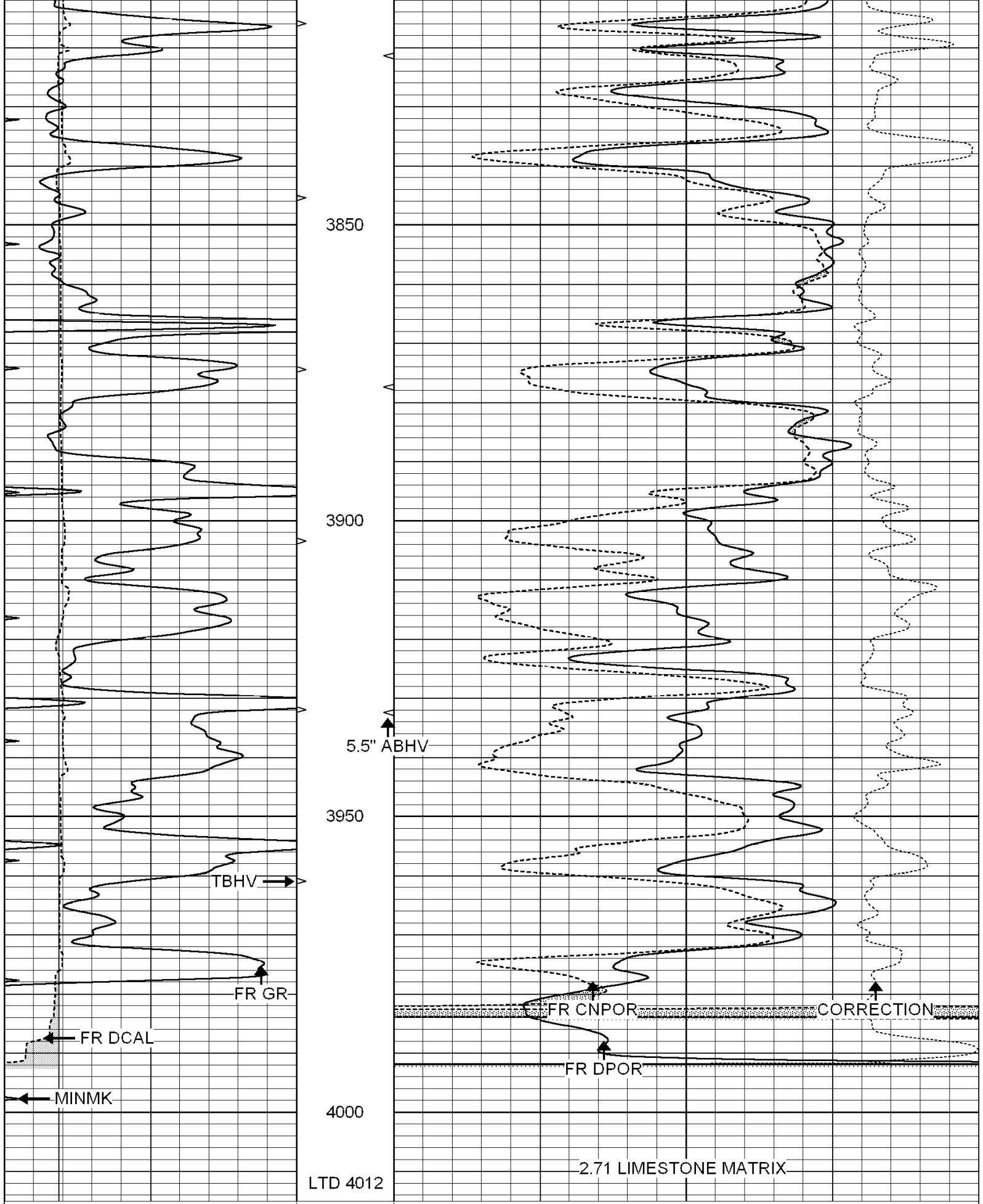
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Dataset Pathname: pass4.2
Presentation Format: den_neu
Dataset Creation: Sun Dec 20 05:36:01 2009 by Calc Open-Cased 060407
Charted by: Depth in Feet scaled 1:240

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			









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

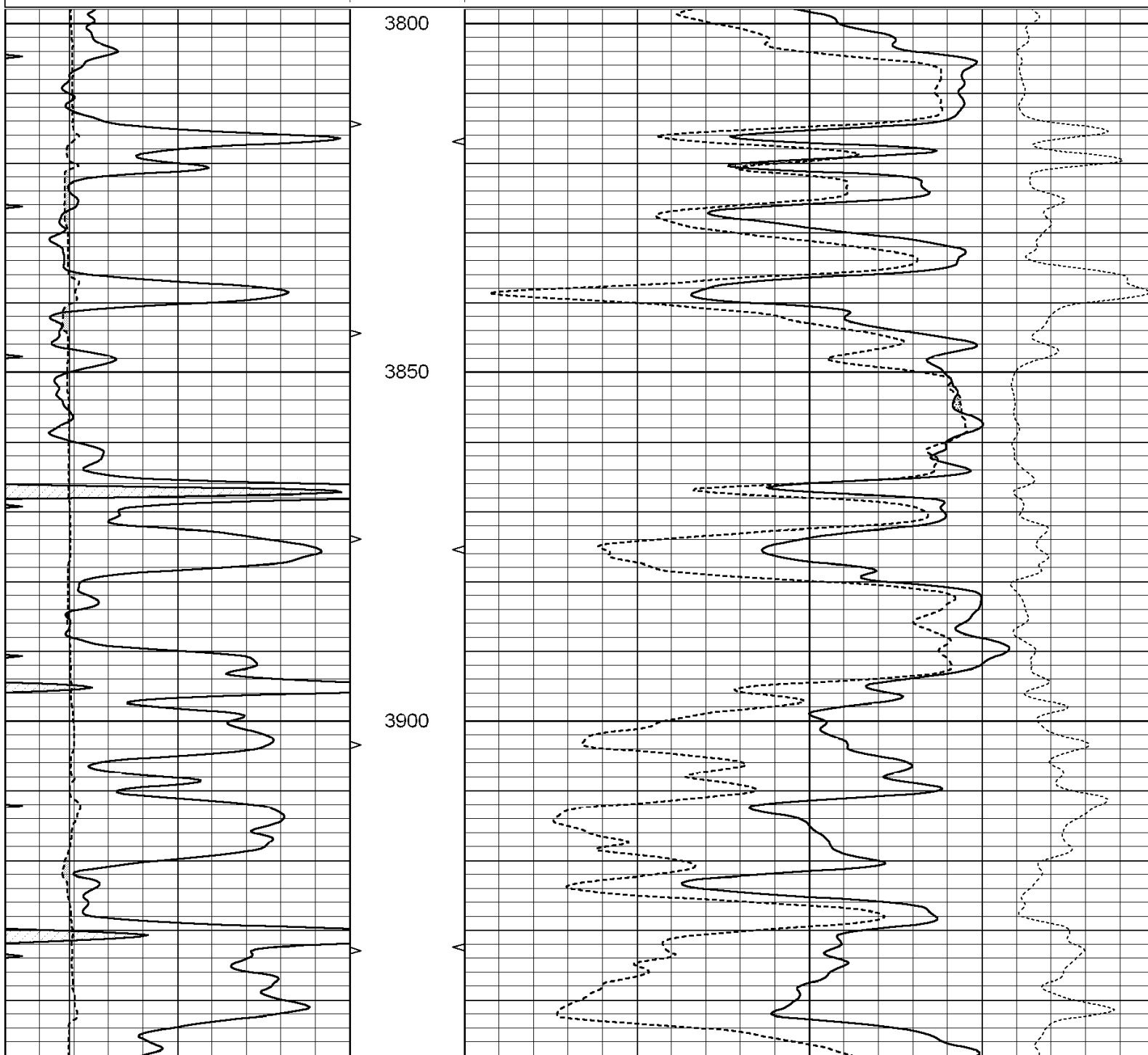


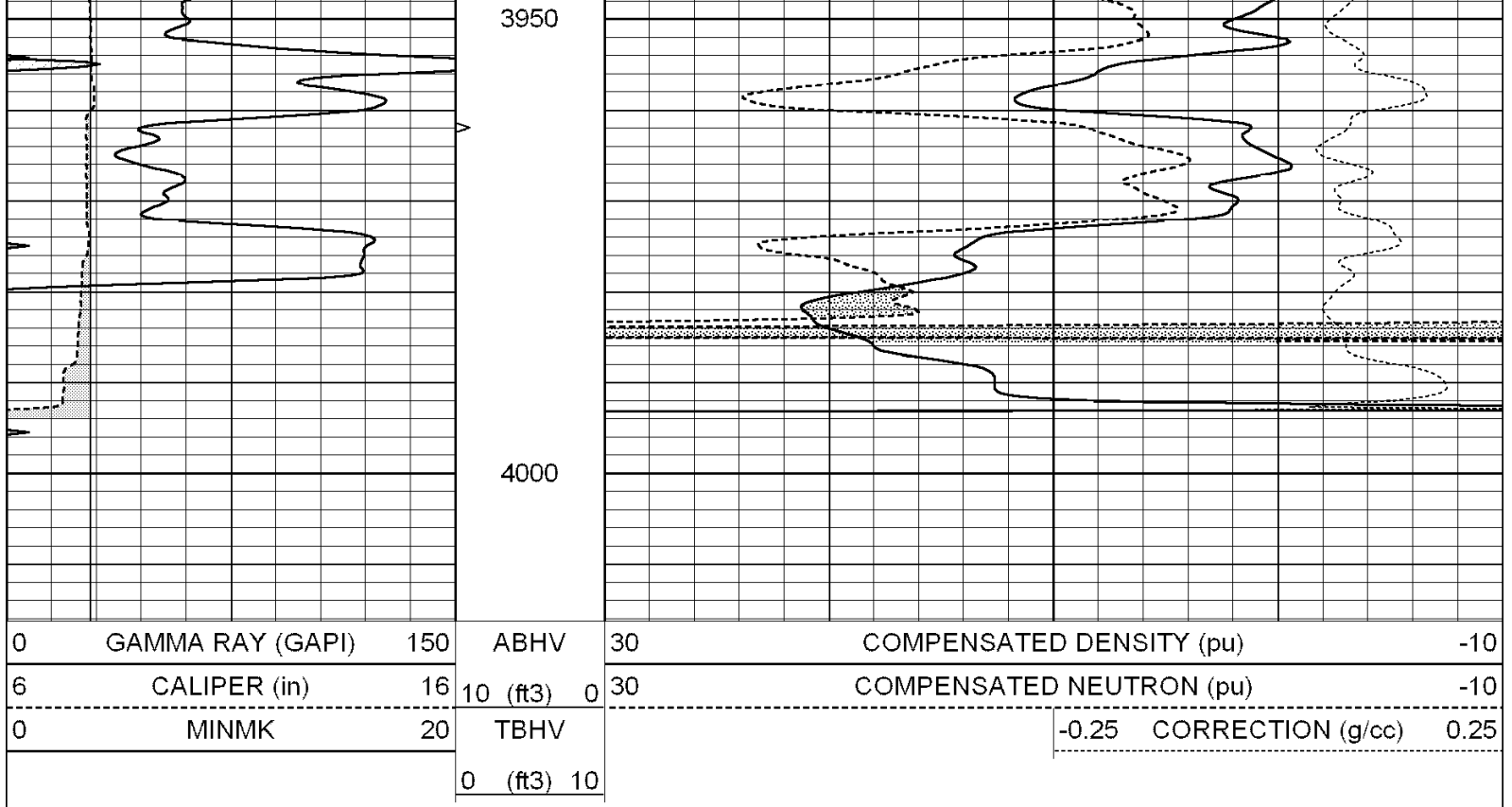
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REPEAT SECTION

Database File: 004393ddn.db
Dataset Pathname: pass3.3
Presentation Format: den_neu
Dataset Creation: Sun Dec 20 05:02:47 2009 by Calc Open-Cased 060407
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			





Calibration Report

Database File: 004393ddn.db
Dataset Pathname: pass4.2
Dataset Creation: Sun Dec 20 05:36:01 2009 by Calc Open-Cased 060407

Dual Induction Calibration Report

Serial-Model: DIL3-GEAR
Performed: Sun Dec 20 04:58:35 2009

Readings				References			Results	
Loop:	Air	Loop		Air	Loop		m	b
Deep	0.011	0.656	V	0.000	400.000	mmho-m	640.000	0.000
Medium	0.013	0.740	V	0.000	462.500	mmho-m	700.000	-13.000
Internal:	Zero	Cal		Zero	Cal		m	b
Deep	0.002	0.645	V	0.000	400.000	mmho-m	622.059	-1.071
Medium	0.007	0.740	V	0.000	462.500	mmho-m	631.393	-4.555

Litho Density Calibration Report

Serial: 003N Model: PRB
Performed Tue Sep 08 14:14:44 2009

Litho Density Calibration

	Background	Magnesium	Aluminum	Sandstone	
Window 1	2042.6	12312.8	4225.8	13758.4	cps
Window 2	1855.8	10134.7	3624.2	11113.1	cps
Window 3	1639.4	6760.2	2716.3	7260.3	cps
Window 4	466.4	469.2	466.1	476.5	cps
Long Space	0.0	8278.9	1768.4	9257.4	cps
Short Space	2.2	2377.3	1544.1	2574.2	cps
Rho		1.7100	2.5900	1.3800	g/cc
Pe			2.5700	1.5500	

Rib Angle	: 44.4	Rib Slope	: 0.979	Density/Spine Ratio	: 0.549
Spine Angle	: 74.4	Spine Slope	: 3.577	Spine Intercept	: -18.8
Caliper					
Low Ref	Readings 1.8	Reference 7.8			
High Ref	4.2	14.0			
	Gain: 2.6		Offset: 3.0		
Compensated Neutron Calibration Report					
		Serial Number:	NEU_3I		
		Tool Model:	G		
CALIBRATION					
	Detector	Readings	Target		Normalization
	Short Space	997.00 cps	1000.00 cps		1.0000
	Long Space	986.00 cps	1000.00 cps		1.0000
Gamma Ray Calibration Report					
	Serial Number:	GR3			
	Tool Model:	OPEN			
	Performed:	Sun Dec 20 04:38:46 2009			
	Calibrator Value:	200.0	GAPI		
	Background Reading:	3.0	cps		
	Calibrator Reading:	186.0	cps		
	Sensitivity:	0.6500	GAPI/cps		