



SUPERIOR
Hays,
Kansas

COMPENSATED
DENSITY / NEUTRON
LOG

Company	TRANS - PACIFIC OIL CORPORATION		
Well	SPEER "A" #1-28		
Field	WILDCAT		
County	LANE		
State	KANSAS		
Company	TRANS - PACIFIC OIL CORPORATION		
Well	SPEER "A" #1-28		
Field	WILDCAT		
County	LANE		
State	KANSAS		
Location:	AP1 # : 15-101-22353-0000		Other Services
	825' FNL & 825' FWL		DIL
	NW - SE - NW - NW		BTM-GR
	SEC 28 TWP 19S RGE 28W		
Permanent Datum	GROUND LEVEL	Elevation	2784
Log Measured From	KELLY BUSHING 9' A.G.L.		
Drilling Measured From	KELLY BUSHING		
		Elevation	K.B. 2793
			D.F. 2791
			G.L. 2784
Date	2/27/12		
Run Number	ONE		
Depth Driller	4656		
Depth Logger	4656		
Bottom Logged Interval	4632		
Top Log Interval	3800		
Casing Driller	8 5/8"@223'		
Casing Logger	223		
Bit Size	7 7/8"		
Type Fluid in Hole	CHEMICAL MUD	CHLORIDES 1,500 PPM	
Density / Viscosity	9.3/52		
pH / Fluid Loss	10.5/4.8		
Source of Sample	FLOWLINE		
Rm @ Meas. Temp	1.50@52F		
Rmt @ Meas. Temp	1.13@52F		
Rmc @ Meas. Temp	1.80@52F		
Source of Rmt / Rmc	MEASUREMENT		
Rm @ BHT	.639@122F		
Time Circulation Stopped	8 HOURS		
Time Logger on Bottom	3:15 P.M.		
Maximum Recorded Temperature	122F		
Equipment Number	4010		
Location	HAYS, KANSAS		
Recorded By	JEFF LUEBBERS		
Witnessed By	MIKE KIDWELL		

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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
DIGHTON, KS. (4 WAY STOP) 6S. ON HWY 23, 2E., 1S. BETWEEN TANK BATTERIES, E. INTO

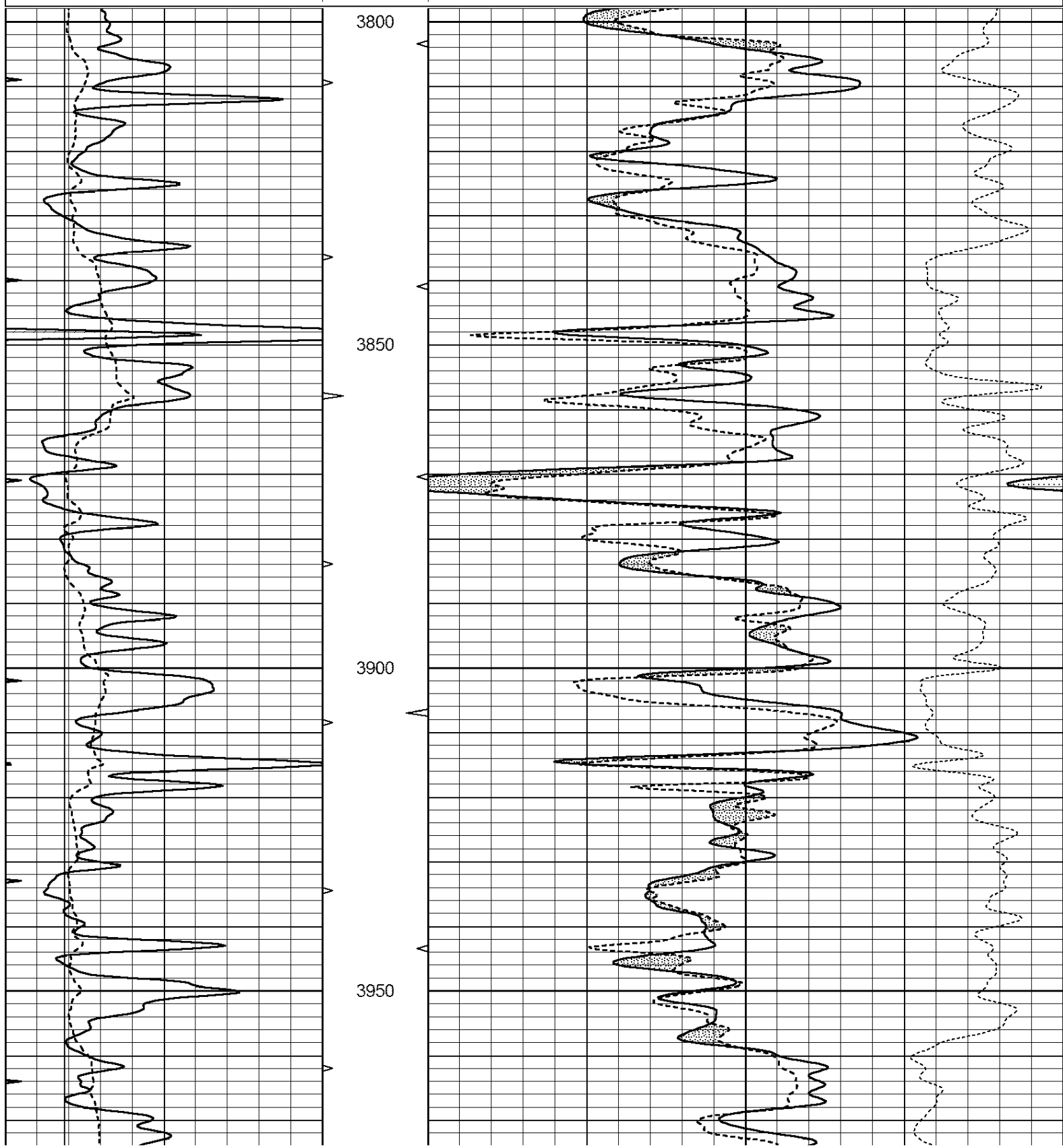


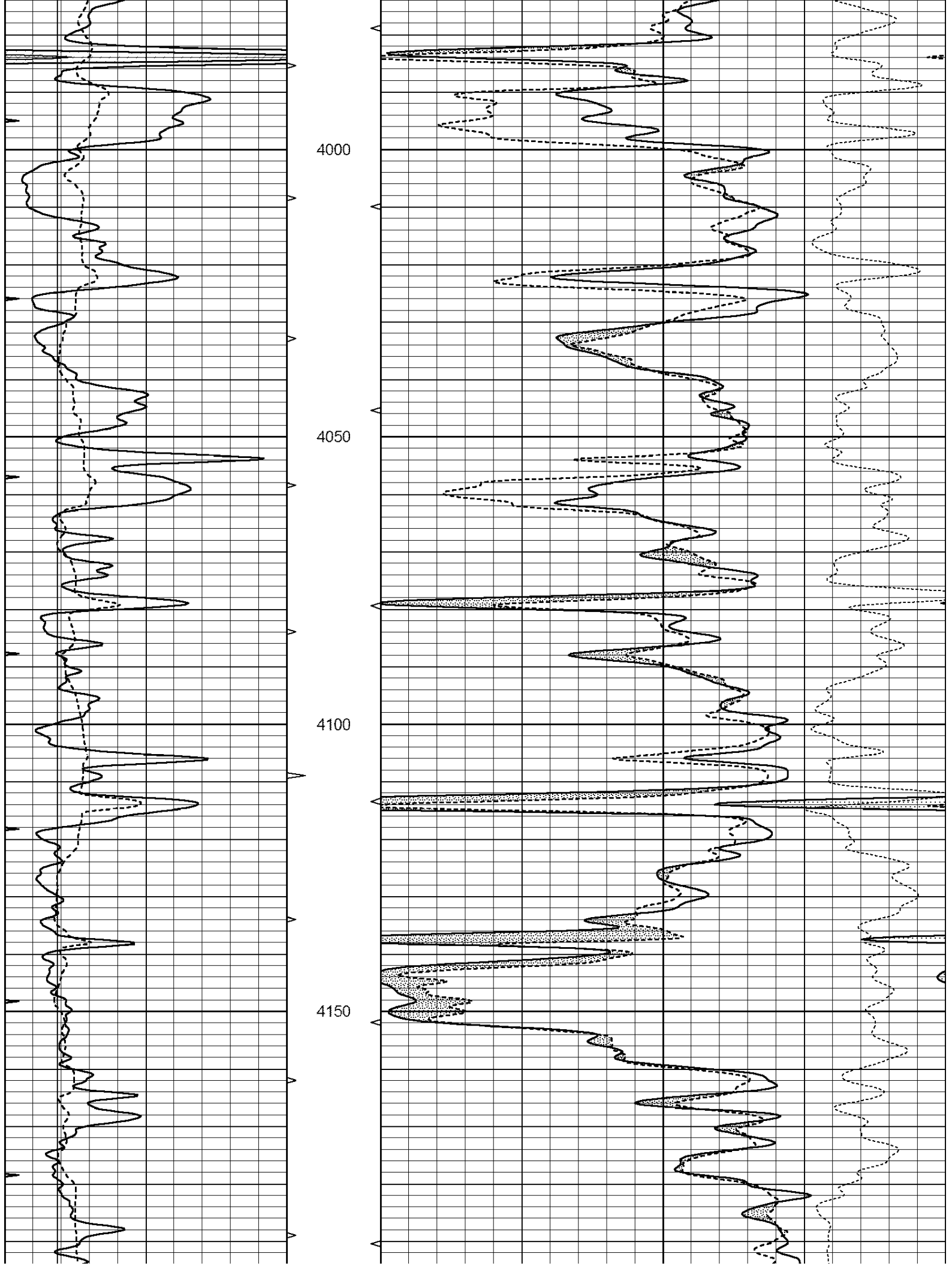
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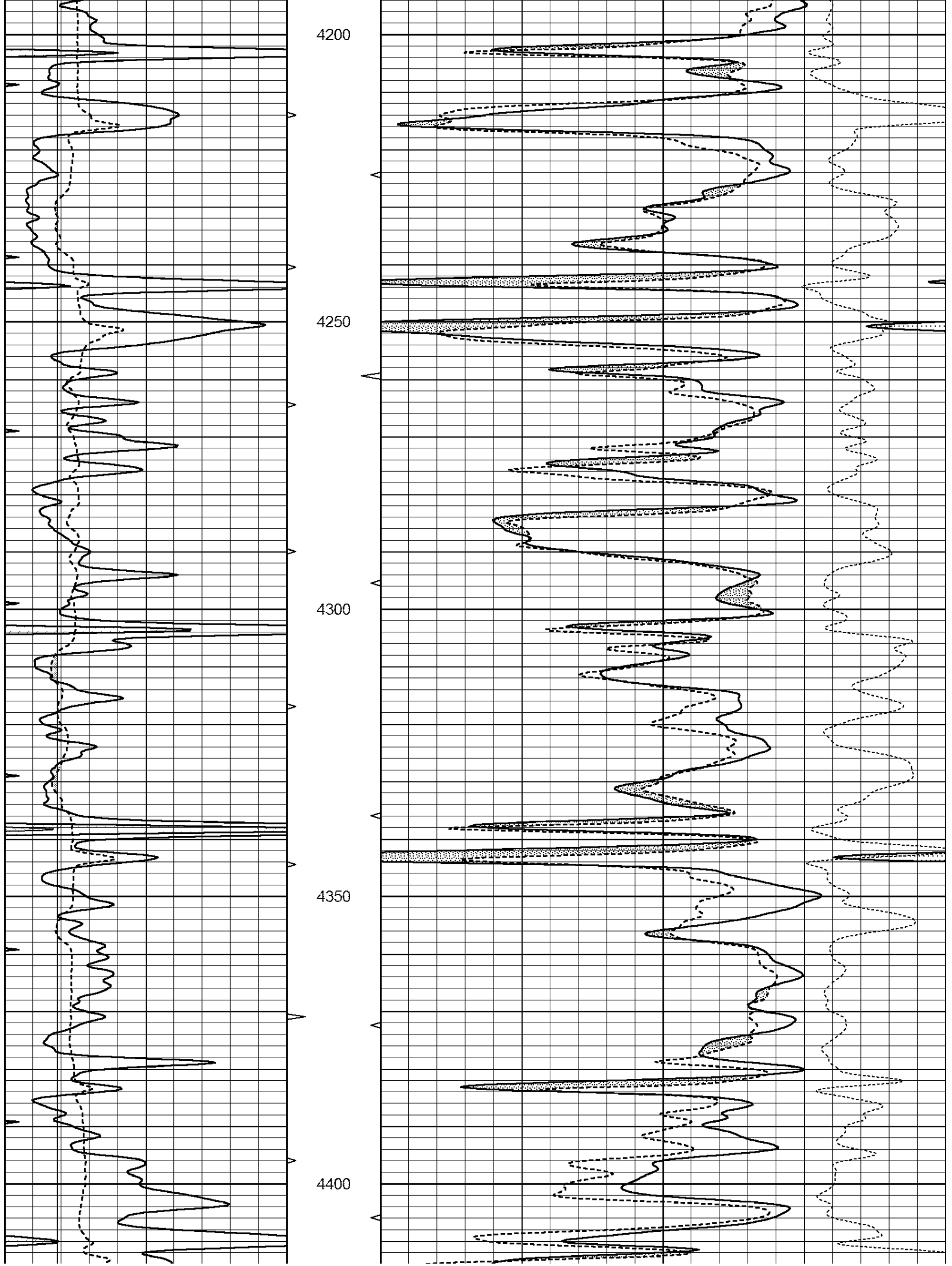
MAIN SECTION

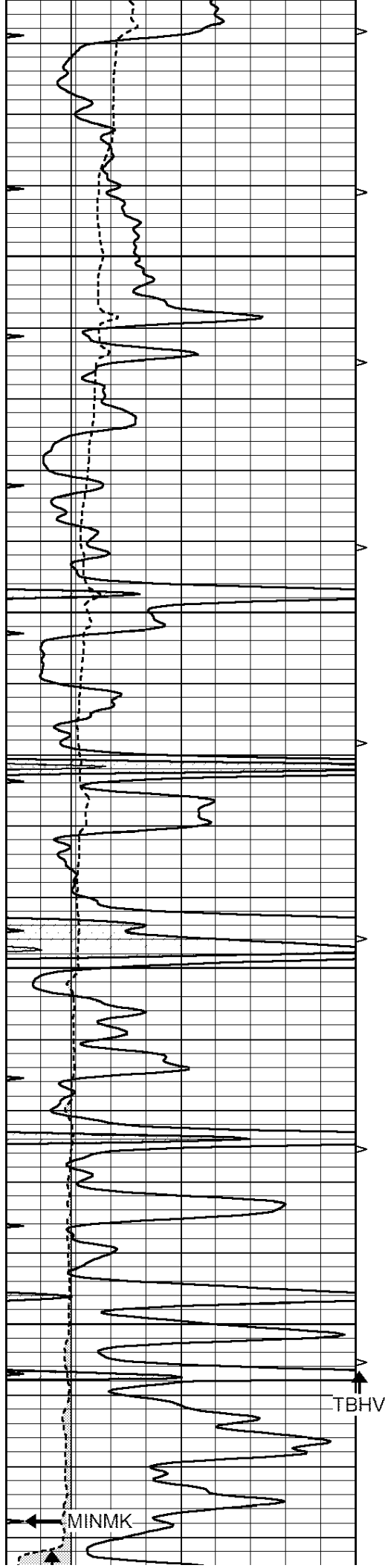
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Dataset Pathname: pass5.9
Presentation Format: den_neu
Dataset Creation: Mon Feb 27 17:48:28 2012
Charted by: Depth in Feet scaled 1:240

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		









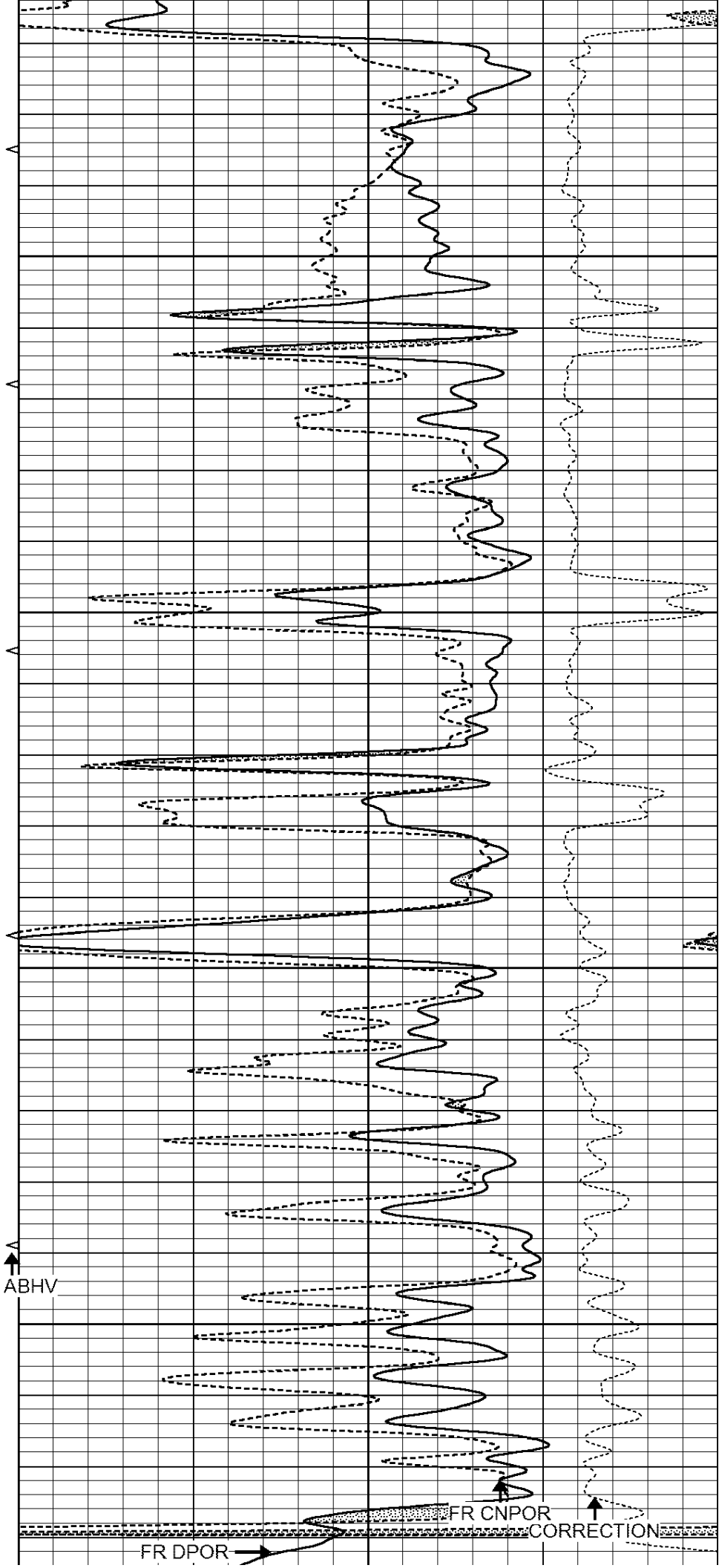
4450

4500

4550

4600

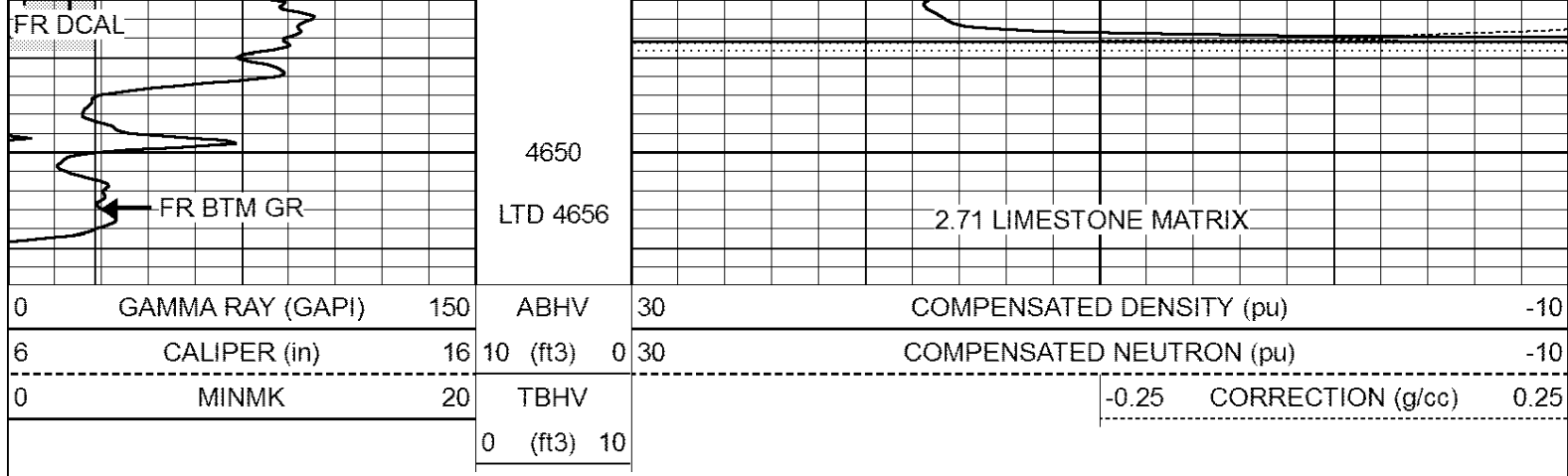
4.5" ABHV



FR DPOR

FR CNPOR

CORRECTION

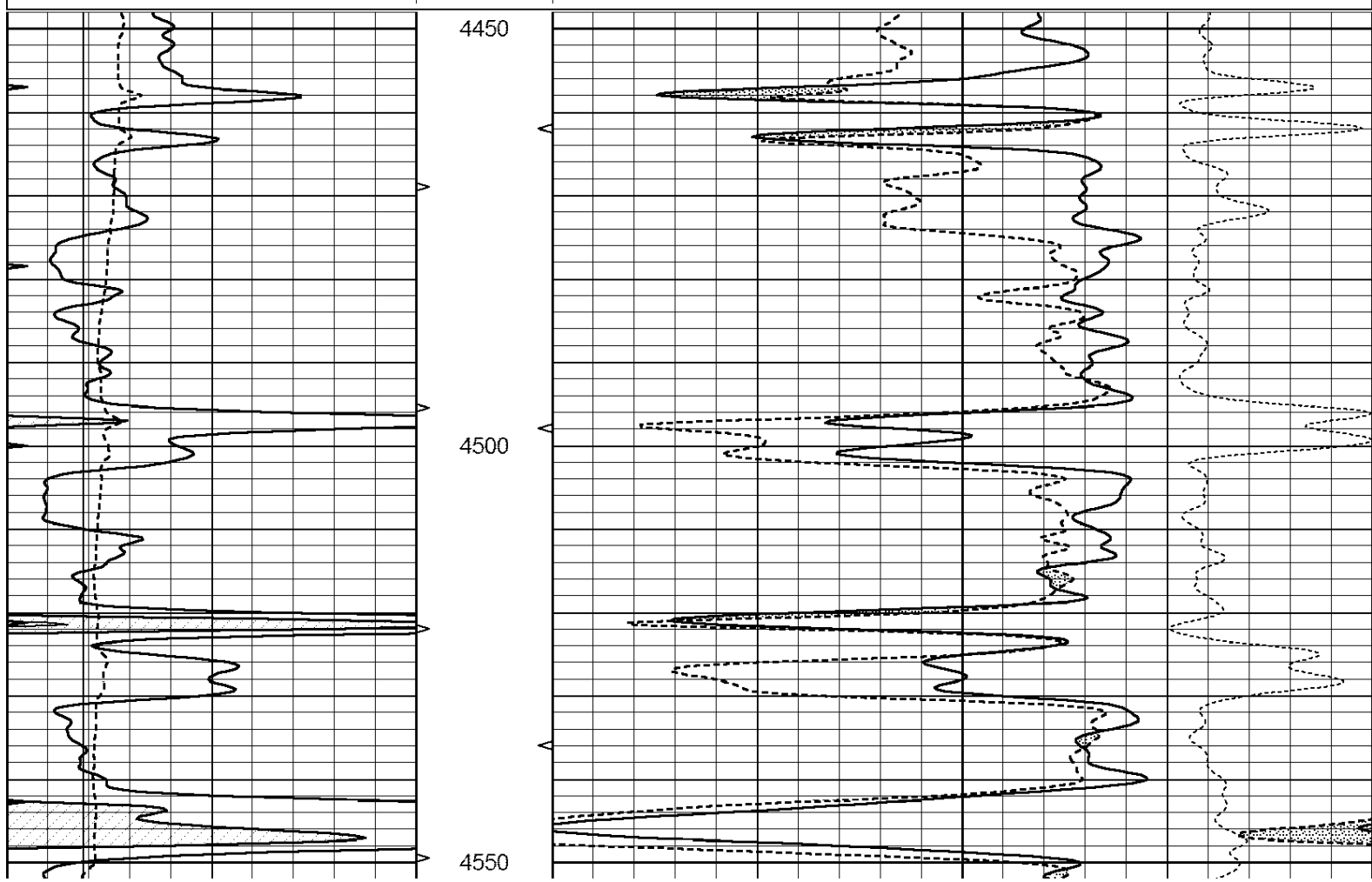


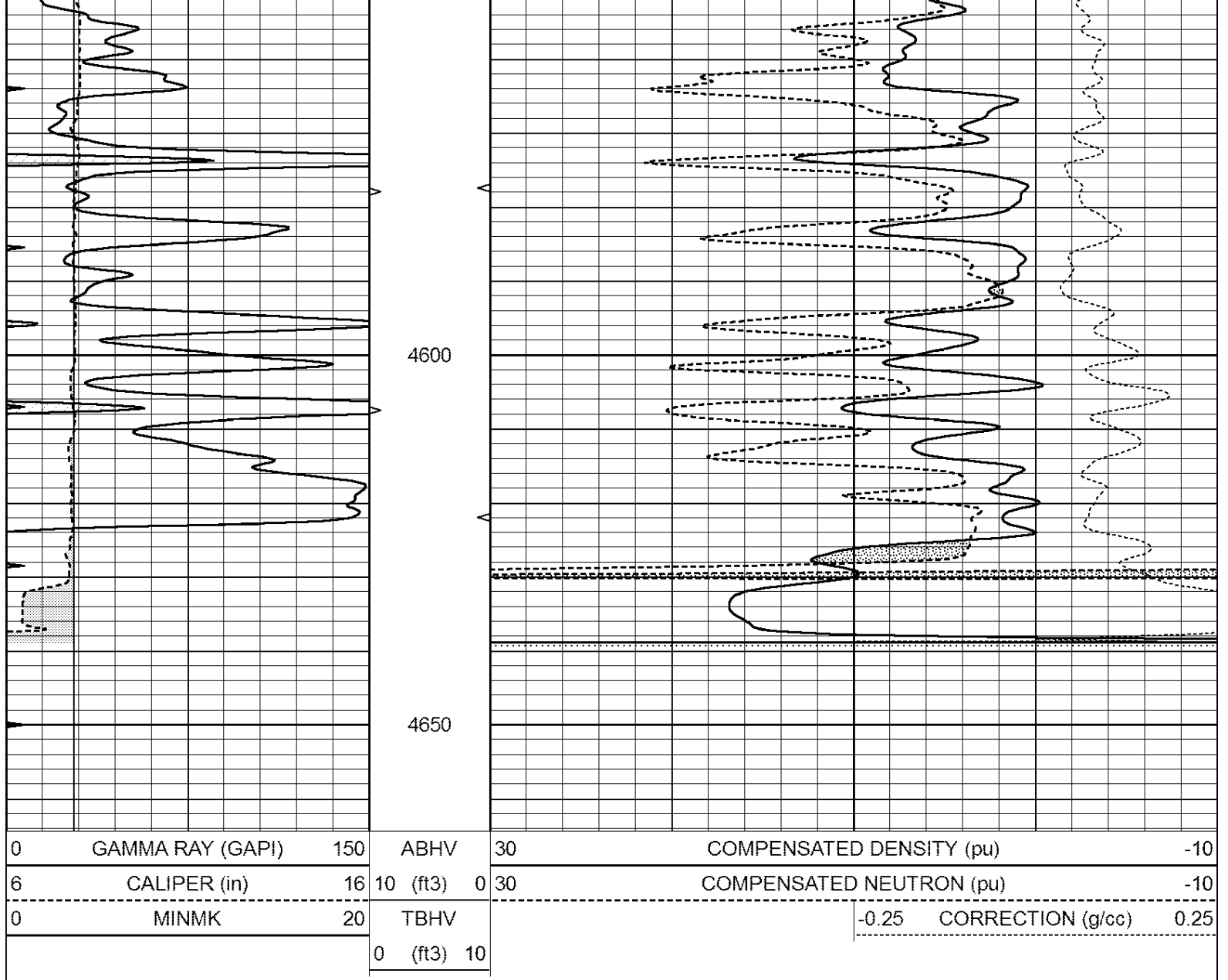
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REPEAT SECTION

Database File: 408419ddn.db
 Dataset Pathname: pass4.3
 Presentation Format: den_neu
 Dataset Creation: Mon Feb 27 16:48:05 2012
 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: 408419ddn.db
 Dataset Pathname: pass5.9
 Dataset Creation: Mon Feb 27 17:48:28 2012

Dual Induction Calibration Report

Serial-Model:
 Performed:

DIL4-GEAR
 Mon Feb 27 16:12:27 2012

Readings				References			Results	
Loop:	Air	Loop		Air	Loop		m	b
Deep	0.008	0.666	V	0.000	400.000	mmho/m	570.000	-2.000
Medium	-0.003	0.769	V	0.000	462.500	mmho/m	560.000	1.000
Internal:	Zero	Cal		Zero	Cal		m	b
Deep	0.013	0.651	V	0.000	400.000	mmho/m	627.541	-8.365
Medium	0.020	0.754	V	0.000	462.500	mmho/m	630.311	-12.549

Litho Density Calibration Report
 Serial: 004N Model: PRB
 Performed Tue Sep 08 13:49:55 2009

Litho Density Calibration					
	Background	Magnesium	Aluminum	Sandstone	
Window 1	1535.8	11161.3	3721.6	12498.8	cps
Window 2	1402.6	9435.7	3219.7	10417.7	cps
Window 3	1077.6	4422.0	1779.2	4753.4	cps
Window 4	337.3	342.8	337.4	343.7	cps
Long Space	0.0	8033.1	1817.0	9015.1	cps
Short Space	1.2	1671.8	1138.1	1813.0	cps
Rho		1.7100	2.5900	1.3800	g/cc
Pe			2.5700	1.5500	
Rib Angle	: 45.5	Rib Slope	: 1.017	Density/Spine Ratio	: 0.573
Spine Angle	: 75.5	Spine Slope	: 3.865	Spine Intercept	: -19.7
Caliper					
	Readings	Reference			
Low Ref	2.6	6.7			
High Ref	4.3	15.0			
	Gain: 4.9		Offset: -6.0		
Compensated Neutron Calibration Report					
		Serial Number:	070808		
		Tool Model:	Probe		
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:	070559				
Tool Model:	OPEN_GR				
Performed:	Mon Feb 27 15:44:26 2012				
Calibrator Value:	1.0	GAPI			
Background Reading:	0.0	cps			
Calibrator Reading:	1.0	cps			
Sensitivity:	0.3000	GAPI/cps			