



NABORS

**COMPLETION
& PRODUCTION
SERVICES CO.**

COMPENSATED DENSITY / NEUTRON LOG

Company	SHELBY RESOURCES, LLC.		
Well	SCHLESSIGER #1-25		
Field	WILDCAT		
County	BARTON	State	KANSAS
Location:	APL # : 15-009-25763-0000		Other Services
SEC 25 TWP 17S RGE 14W		DIL/MEL	
Permanent Datum	GROUND LEVEL	Elevation	1872
Log Measured From	KELLY BUSHING 9' A.G.L.	K.B.	1881
Drilling Measured From	KELLY BUSHING	D.F.	1879
		G.L.	1872
Date	10/17/12		
Run Number	ONE		
Depth Driller	3475		
Depth Logger	3474		
Bottom Logged Interval	3450		
Top Log Interval	2800		
Casing Driller	8 5/8" @ 848'		
Casing Logger	848		
Bit Size	7 7/8"		
Type Fluid in Hole	CHEMICAL MUD	CHLORIDES	6,000 PPM
Density / Viscosity	9.3/58		
pH / Fluid Loss	10.5/8.8		
Source of Sample	FLOWLINE		
Rm @ Meas. Temp	.800 @ 80F		
Rmt @ Meas. Temp	.600 @ 80F		
Rmc @ Meas. Temp	.960 @ 80F		
Source of Rmt / Rmc	MEASUREMENT		
Rm @ BHT	.577 @ 111F		
Time Circulation Stopped	2 HOURS		
Time Logger on Bottom	2:45 P.M.		
Maximum Recorded Temperature	111F		
Equipment Number	4010		
Location	HAYS, KANSAS		
Recorded By	JEFF LUEBBERS		
Witnessed By	KEITH REAVIS	JEREMY SCHWARZ	

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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 "NABORS", HAYS, KANSAS (785) 628-6395
DIRECTIONS
HOISINGTON, KS., 1W. OF "S' CURVE ON HWY 4 TO "NW 20 AVE.", 1/2N., W. INTO

Database File:

409695ddn.db

Dataset Pathname:

pass3.10

Presentation Format:

den_neu

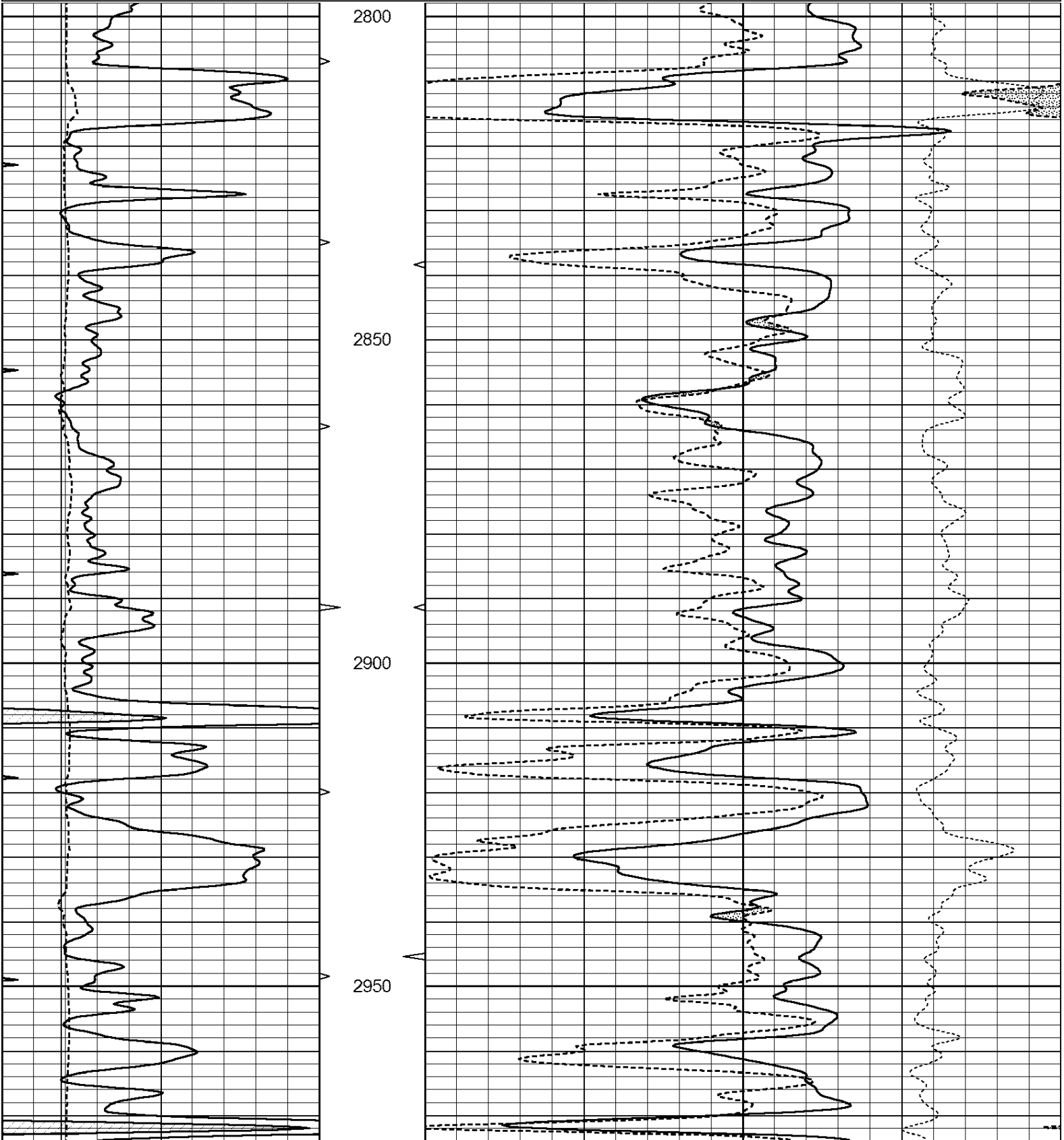
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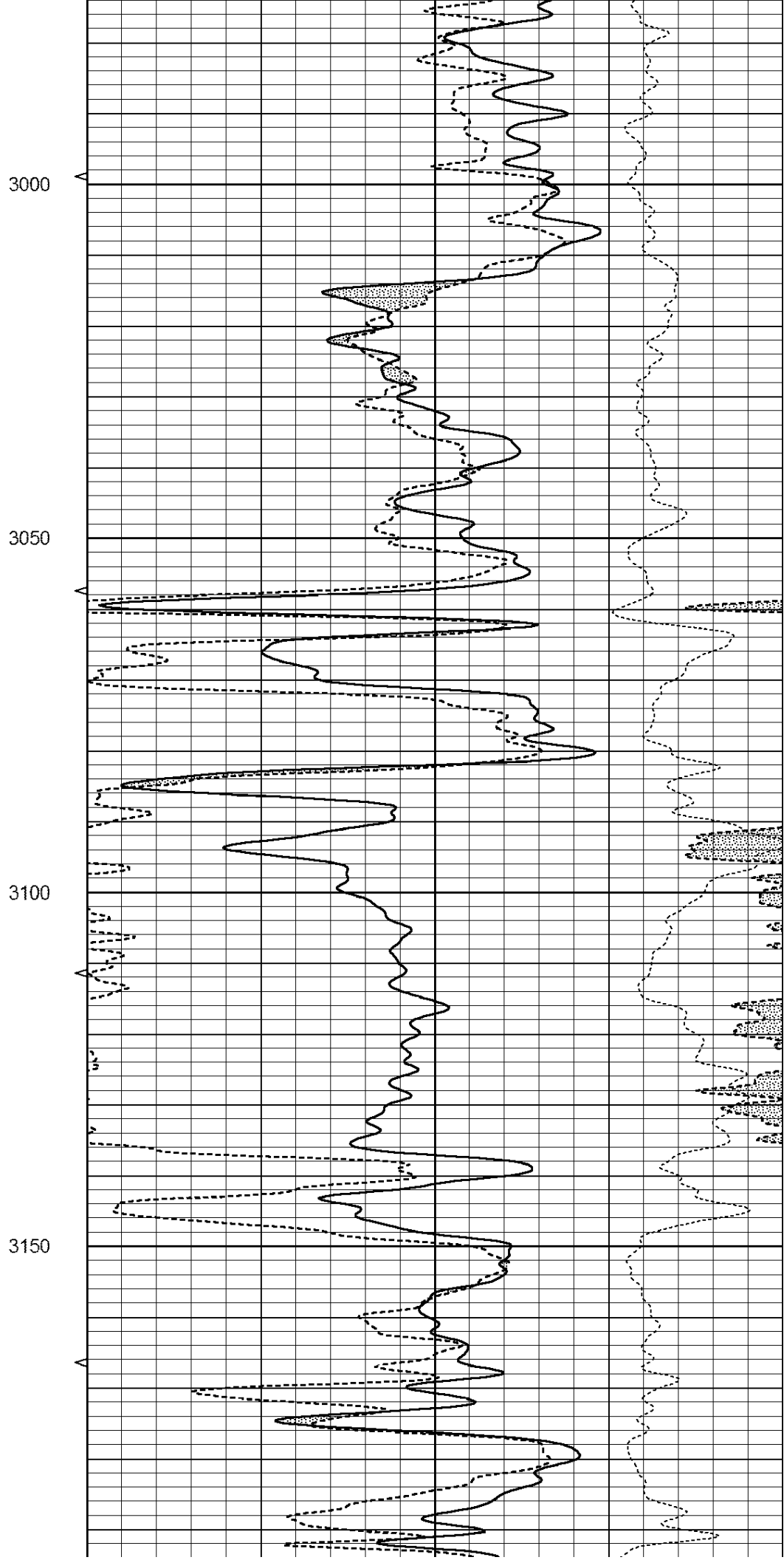
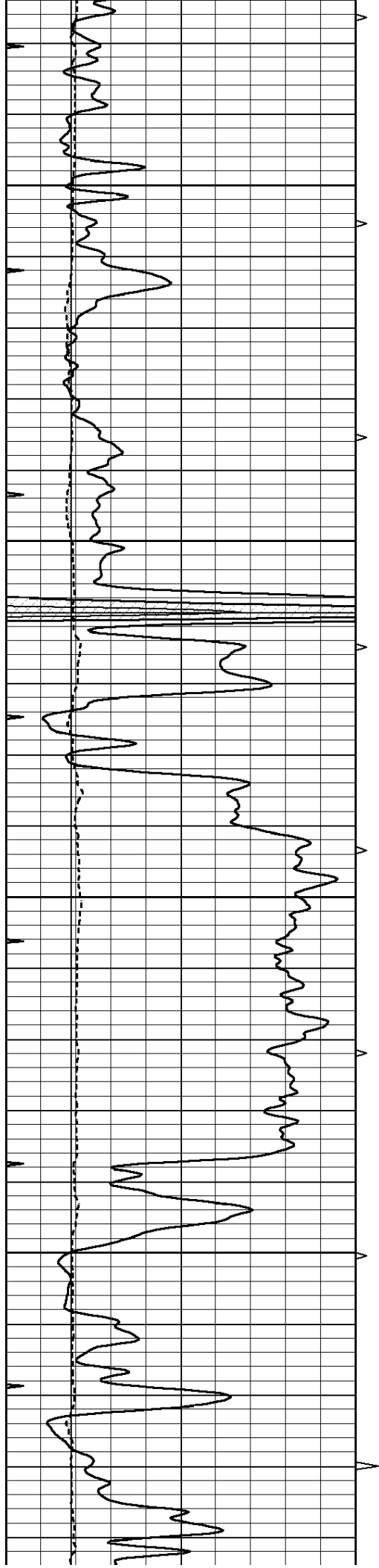
Wed Oct 17 17:07:09 2012

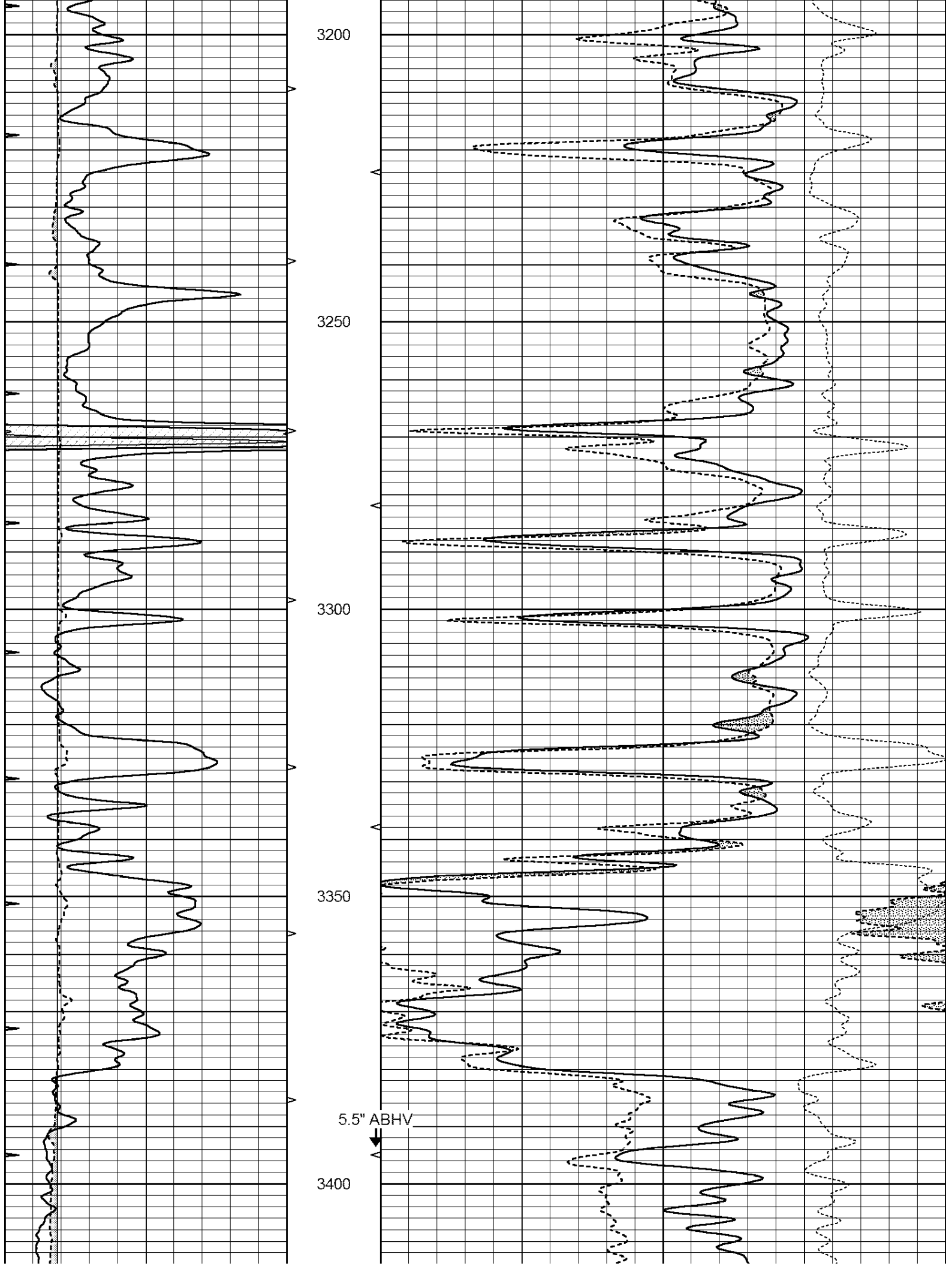
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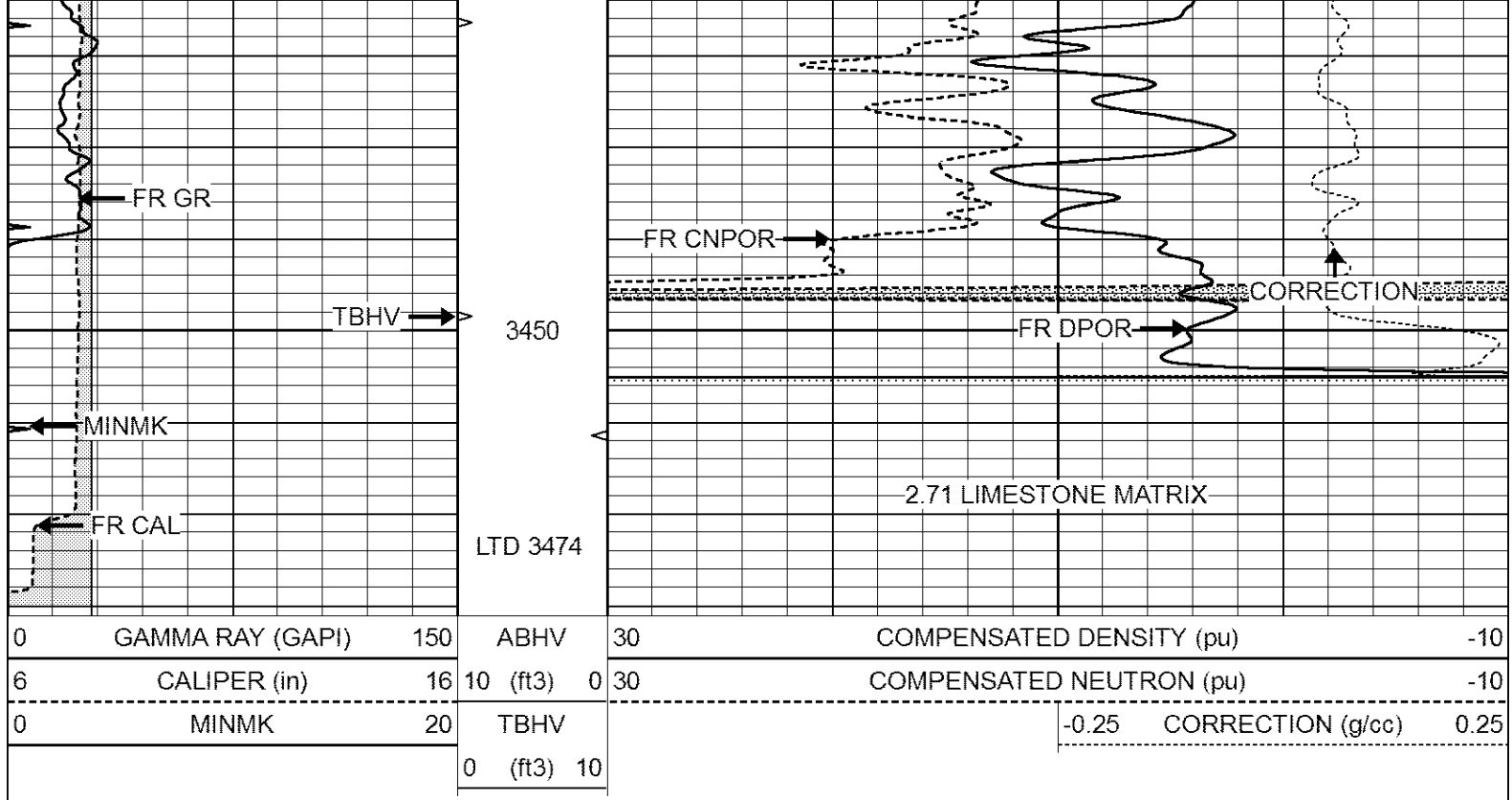
Depth in Feet scaled 1:240

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		







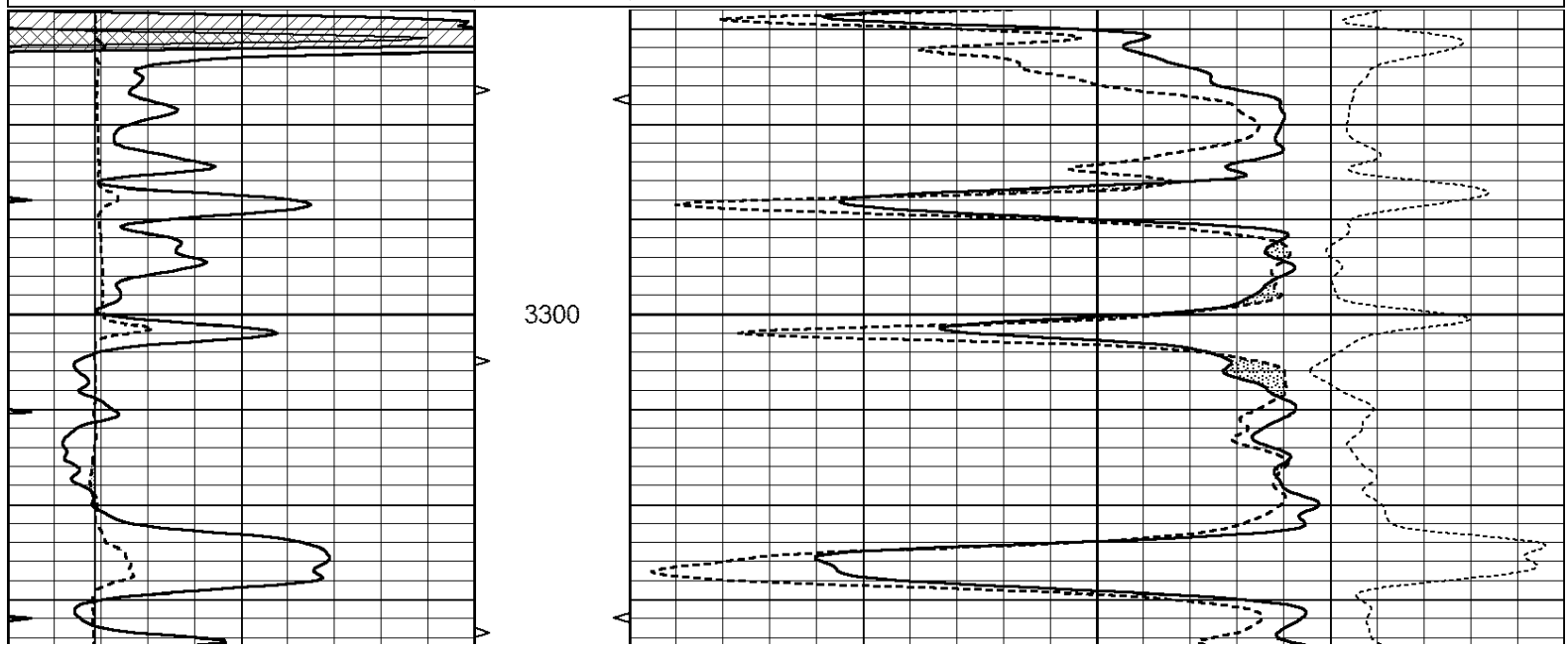


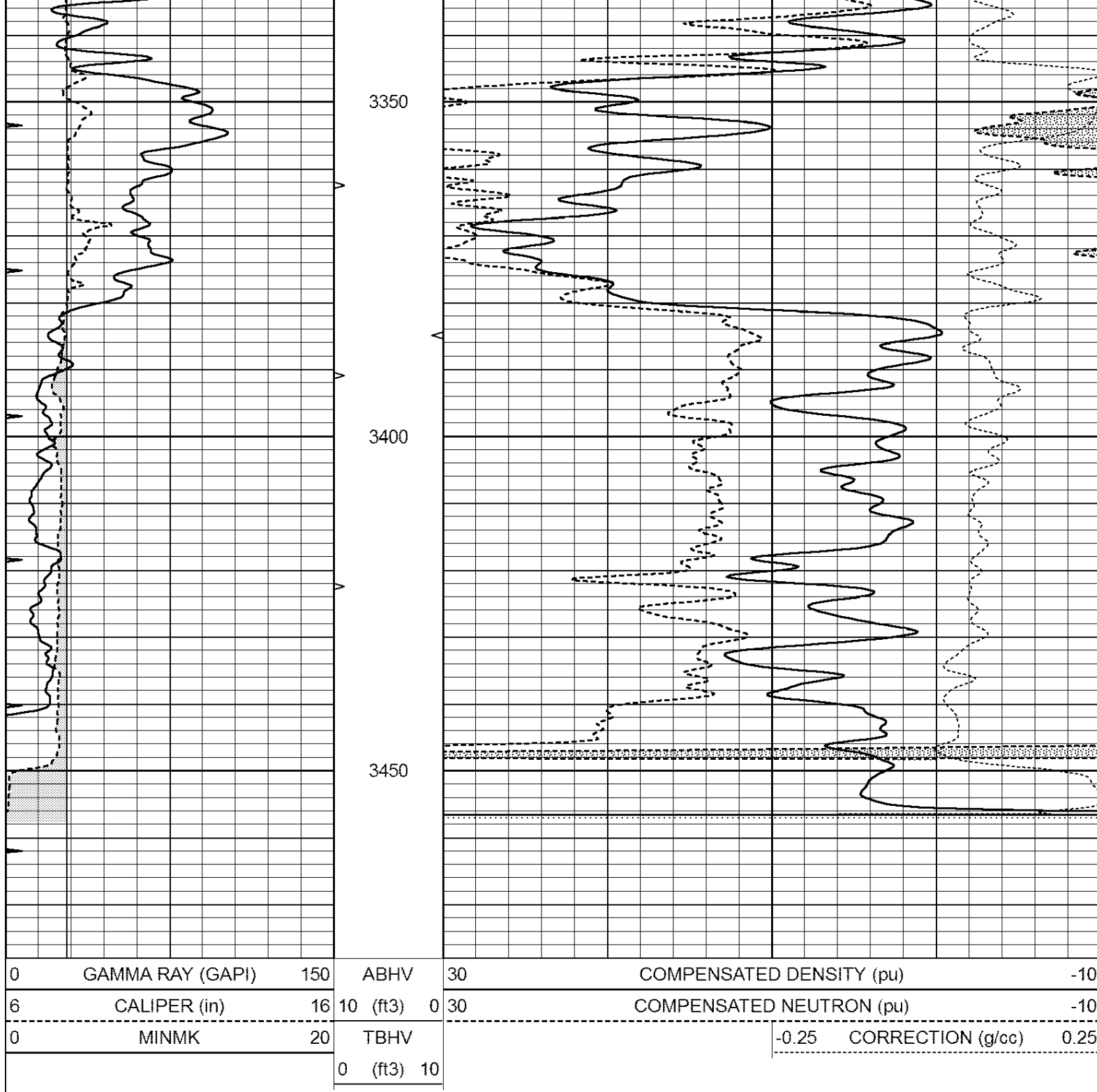
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REPEAT SECTION

Database File: 409695ddn.db
Dataset Pathname: pass2.4
Presentation Format: den_neu
Dataset Creation: Wed Oct 17 14:58:33 2012 by Calc Open-Cased 110302
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			

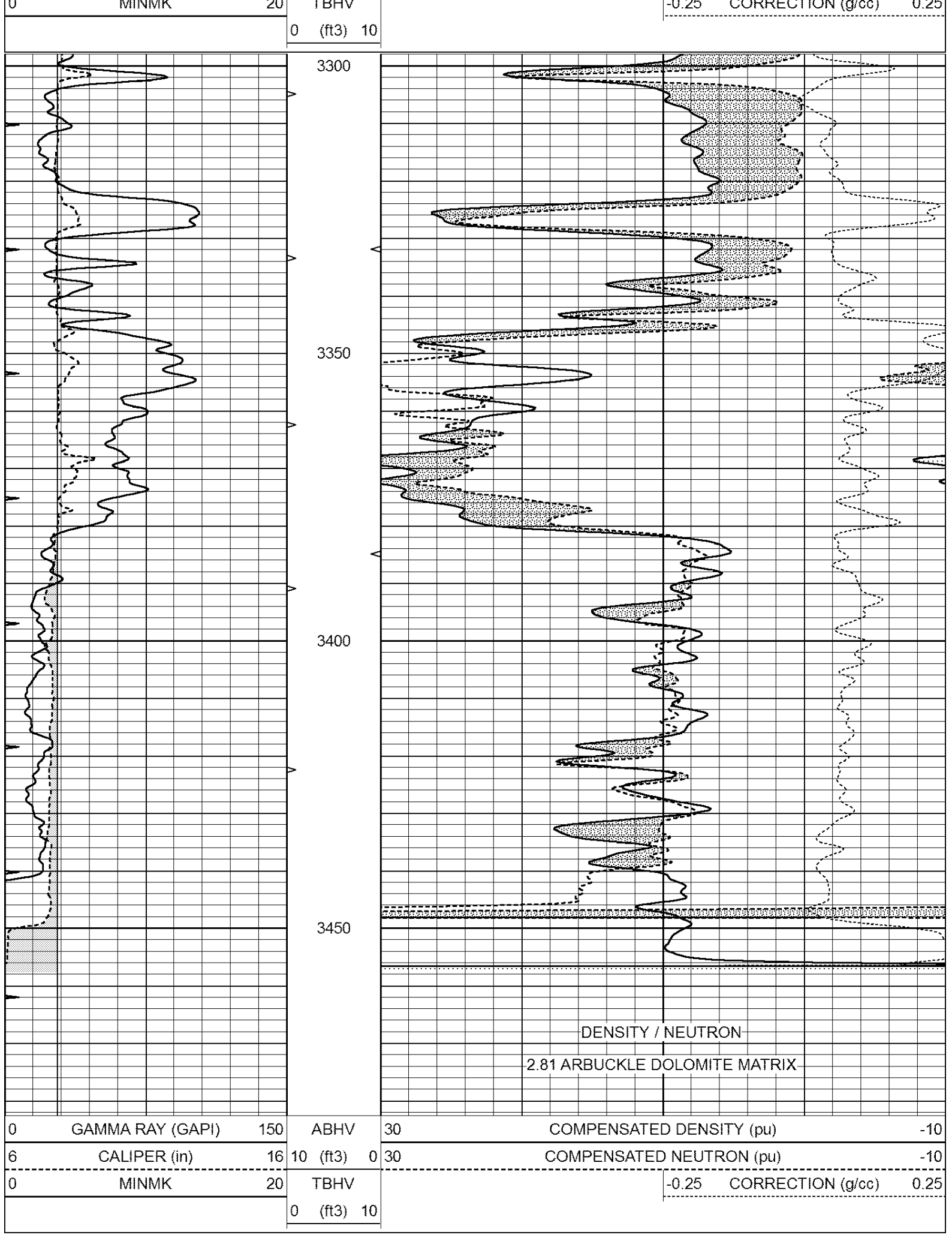




DOLOMITE MATRIX

Database File: 409695ddn.db
 Dataset Pathname: pass2.6
 Presentation Format: den_neu
 Dataset Creation: Wed Oct 17 15:00:42 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: 409695ddn.db
 Dataset Pathname: pass3.10
 Dataset Creation: Wed Oct 17 17:07:09 2012

Dual Induction Calibration Report

Serial-Model:
 Performed:

DIL4-GEAR
 Wed Oct 17 14:54:36 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	1.000
Medium	-0.003	0.769	V	0.000	462.500	mmho/m	560.000	0.000
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: 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

	Readings	Reference
Low Ref	3.4	8.0
High Ref	5.0	15.0
Gain: 4.5		Offset: -7.1

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:	Wed Sep 19 15:58:00 2012

Calibrator Value:	1.0	GAPI
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Background Reading:	0.0	cps
Calibrator Reading:	1.0	cps

Sensitivity:	0.3000	GAPI/cps
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