



SUPERIOR
Hays,
Kansas

COMPENSATED
DENSITY / NEUTRON
LOG

Company	MAI OIL OPERATIONS, INC.		
Well	FLEGLE "B" #3		
Field	TRAPP		
County	RUSSELL	State	KANSAS
Location:	AP1 # : 15-167-23726-0000		Other Services
630' FNL & 1255' FWL		DIL/MEL	
SEC 11 TWP 15S RGE 14W		Elevation	
Permanent Datum	GROUND LEVEL	Elevation	1746
Log Measured From	KELLY BUSHING 8' A.G.L.	K.B. 1754	
Drilling Measured From	KELLY BUSHING	D.F. 1752	
		G.L. 1746	
Date	7/7/11		
Run Number	ONE		
Depth Driller	3265		
Depth Logger	3265		
Bottom Logged Interval	3241		
Top Log Interval	2200		
Casing Driller	8 5/8"@43'		
Casing Logger	432		
Bit Size	7 7/8"		
Type Fluid in Hole	CHEMICAL MUD	CHLORIDES 8,800 PPM	
Density / Viscosity	9.2/64		
pH / Fluid Loss	8.0/10.8		
Source of Sample	FLOWLINE		
Rm @ Meas. Temp	.500@79F		
Rmt @ Meas. Temp	.375@78F		
Rmc @ Meas. Temp	.600@78F		
Source of Rmt / Rmc	MEASUREMENT		
Rm @ BHT	.358@109F		
Time Circulation Stopped	2 HOURS		
Time Logger on Bottom	4:00 A.M.		
Maximum Recorded Temperature	109F		
Equipment Number	4010		
Location	HAYS, KANSAS		
Recorded By	JEFF LUEBBERS		
Witnessed By	STEVE MURPHY		

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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

RUSSELL, KS. & I-70, 6S. ON HWY 281 TO MM #136 "WALTERS RD., 1/4E., S. INTO @CATTLE GUARD
PAST 2 TANK BATTERIES THEN WEST @CATTLE GUARD, THEN NORTH INTO PAST PUMPING UNIT

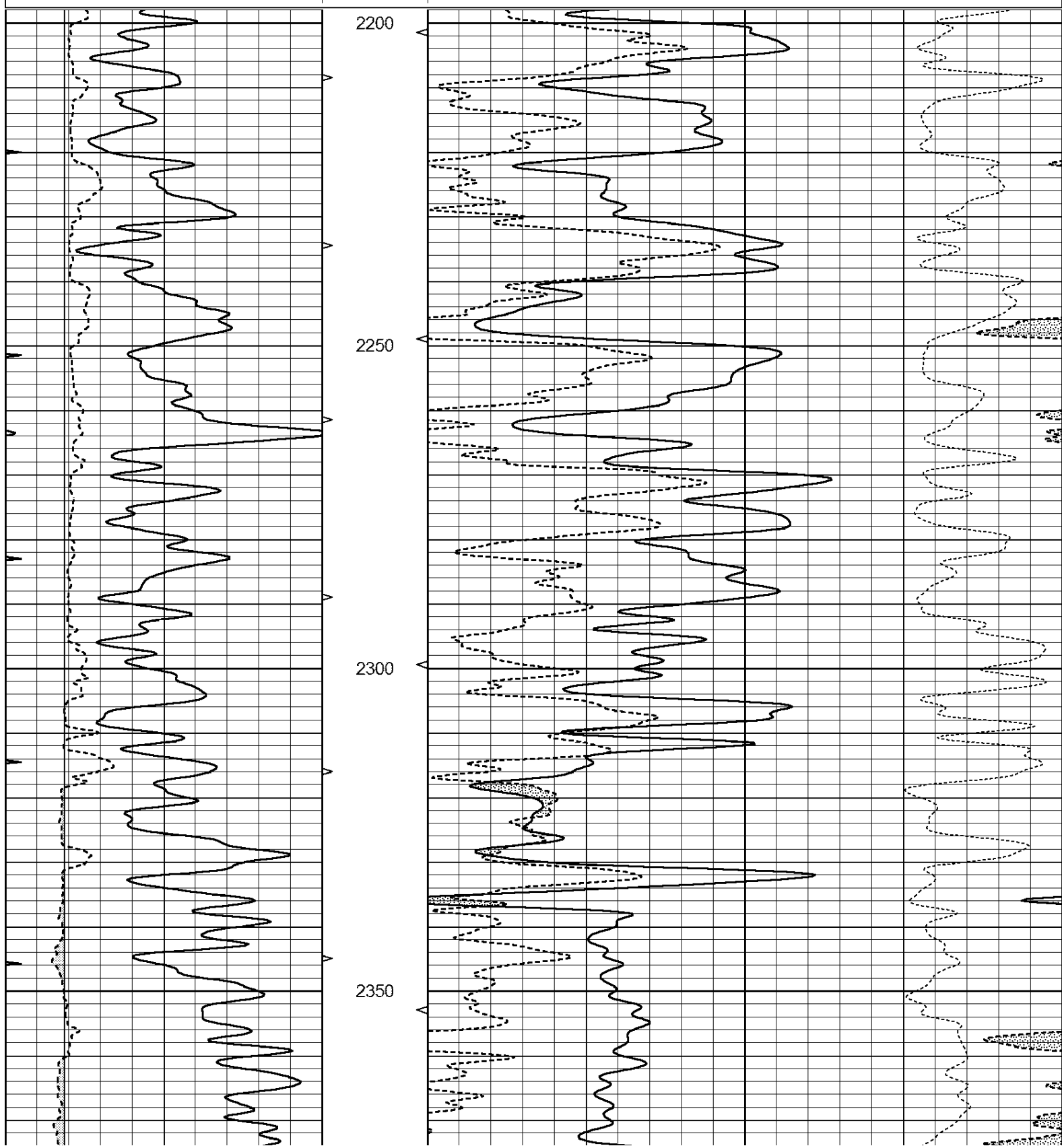


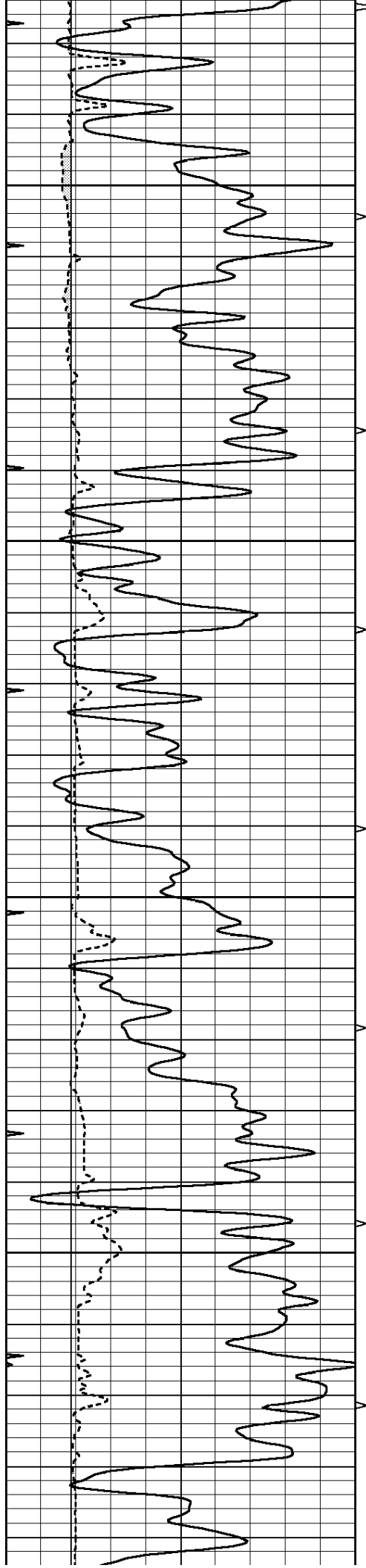
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MAIN SECTION

Database File: 007085ddn.db
 Dataset Pathname: pass3.3
 Presentation Format: den_neu
 Dataset Creation: Thu Jul 07 05:27:49 2011 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		



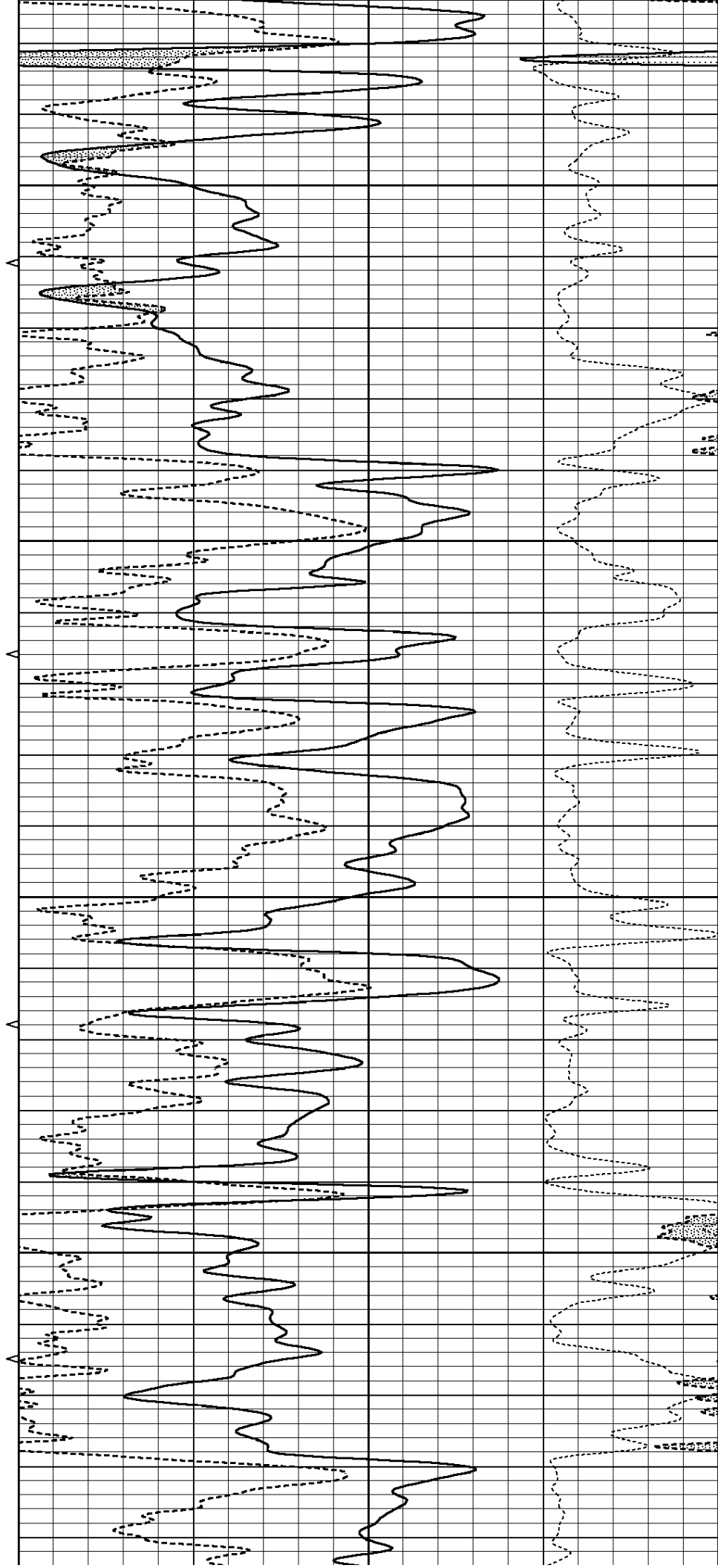


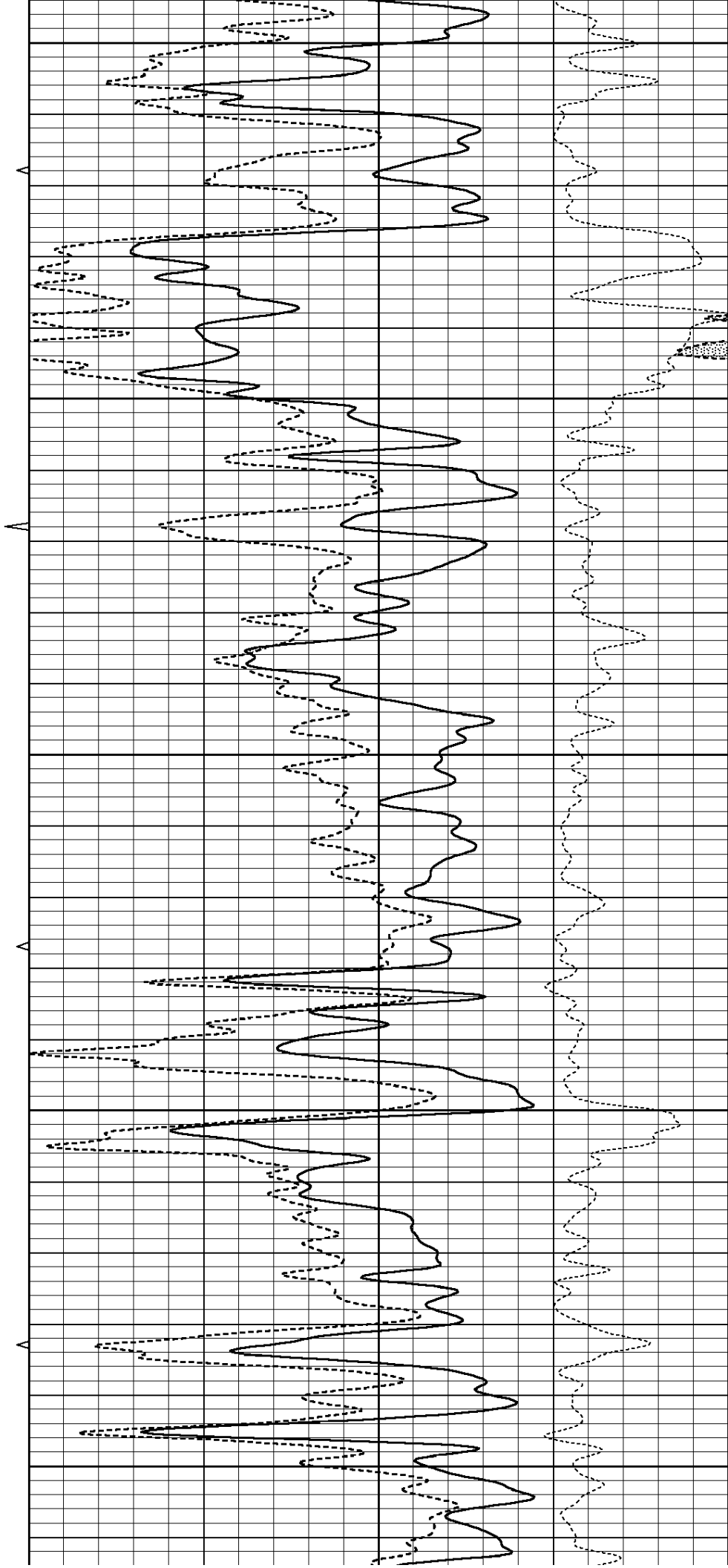
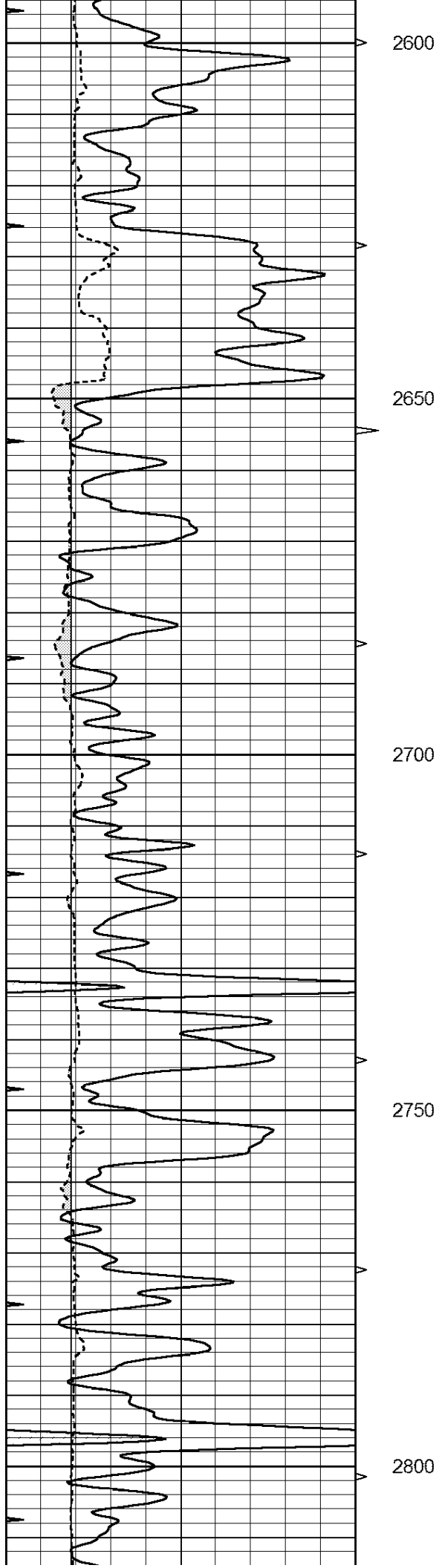
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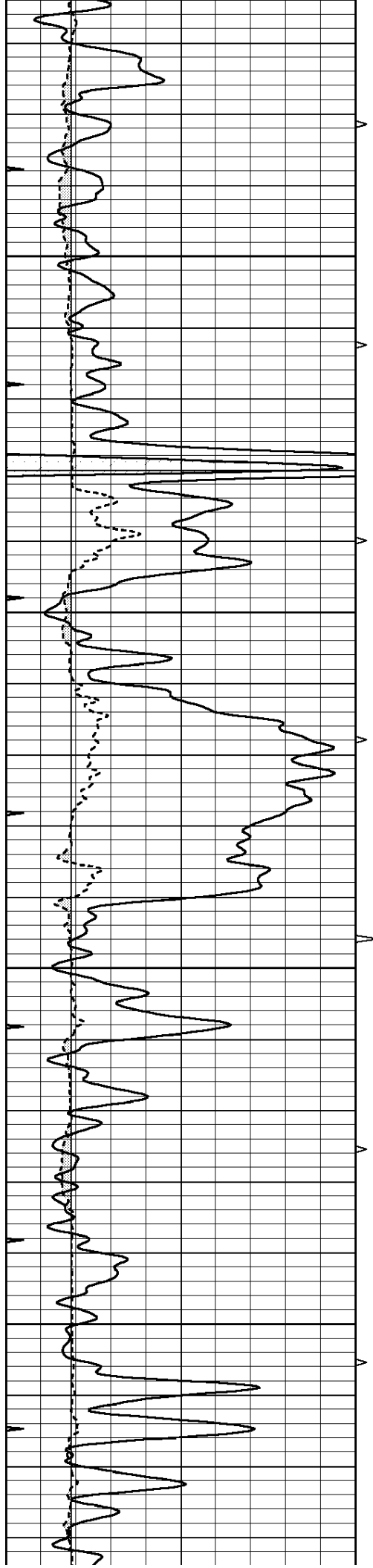
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2500

2550





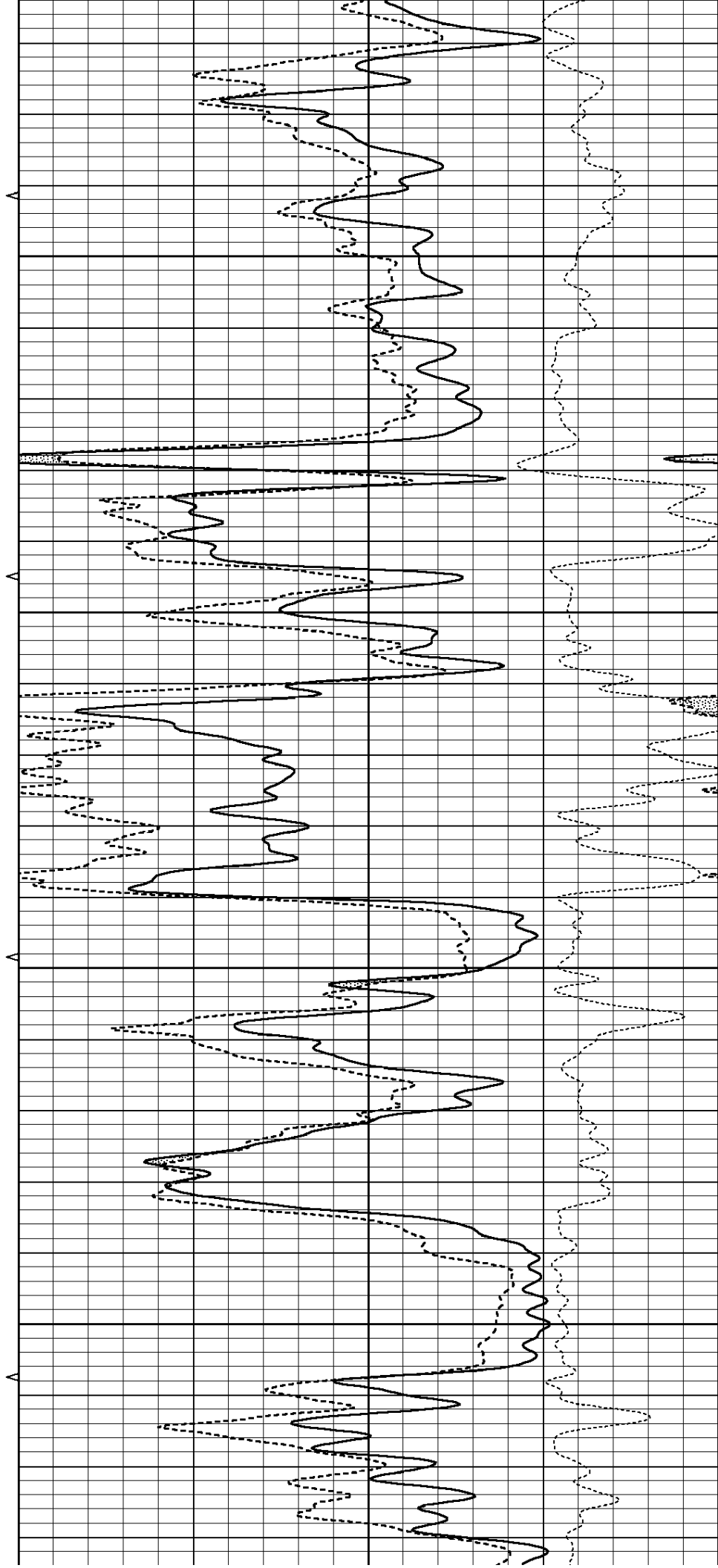


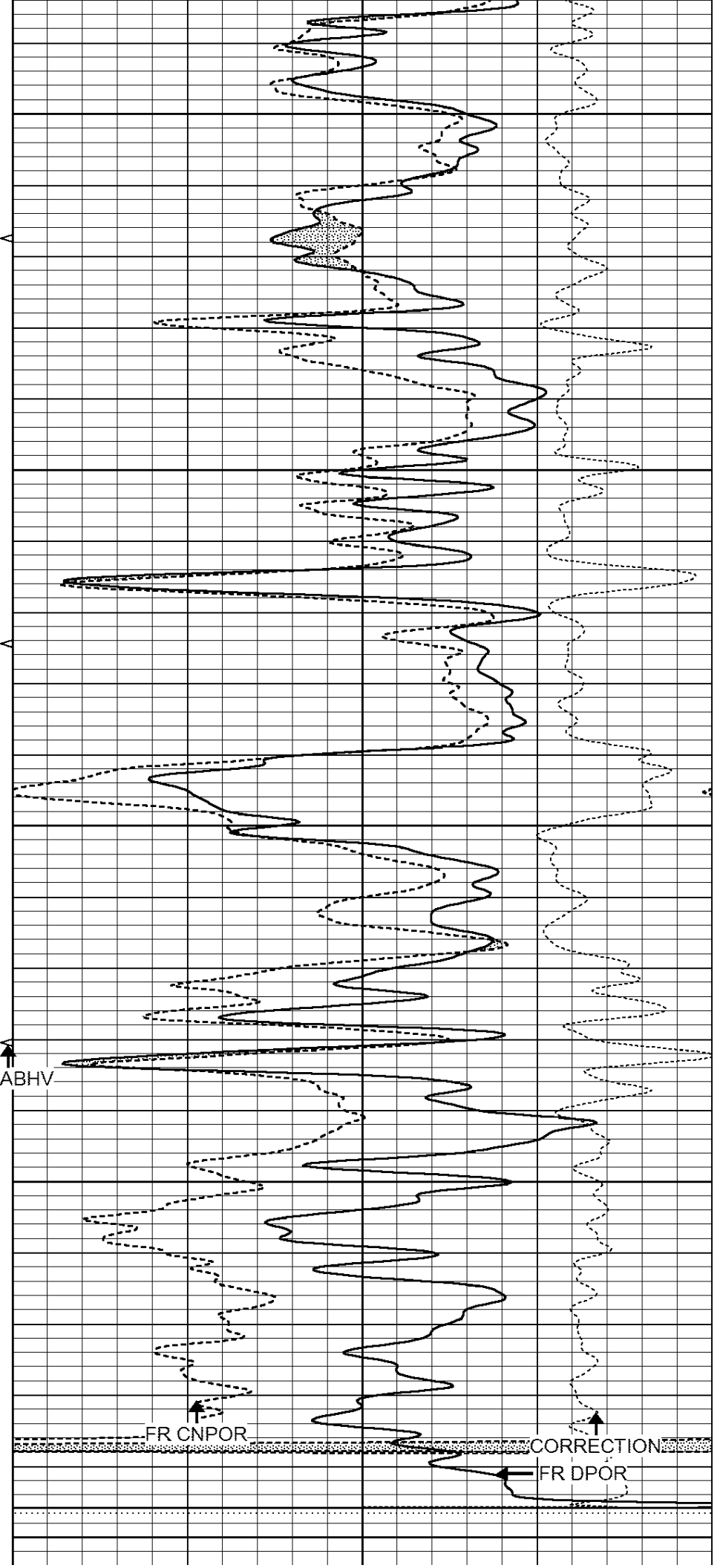
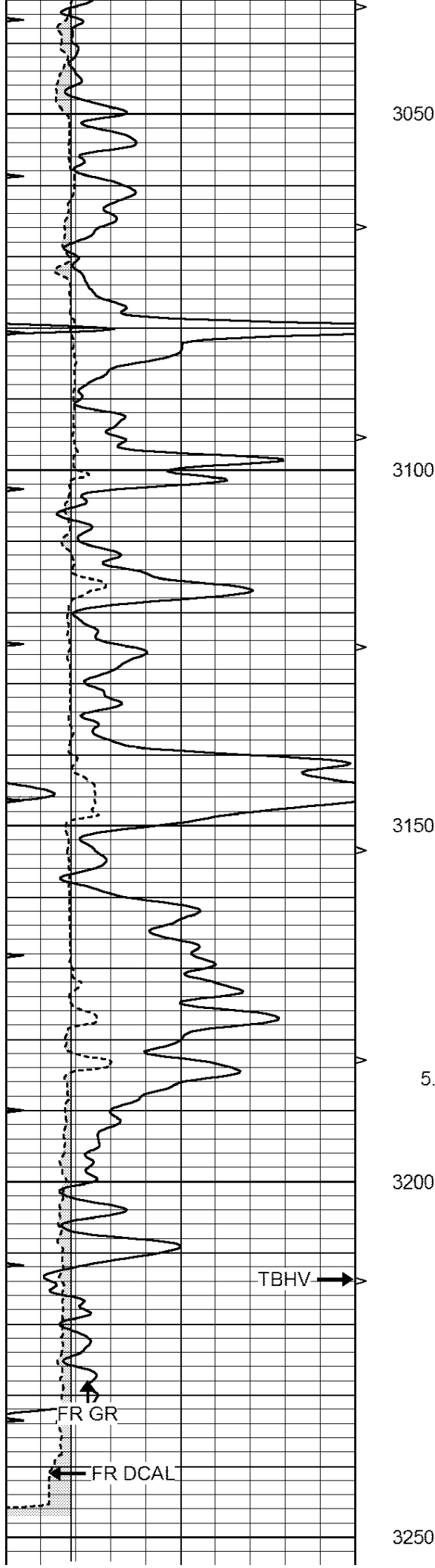
2850

2900

2950

3000





MINMK			2.71 LIMESTONE MATRIX		
LTD 3265					
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		

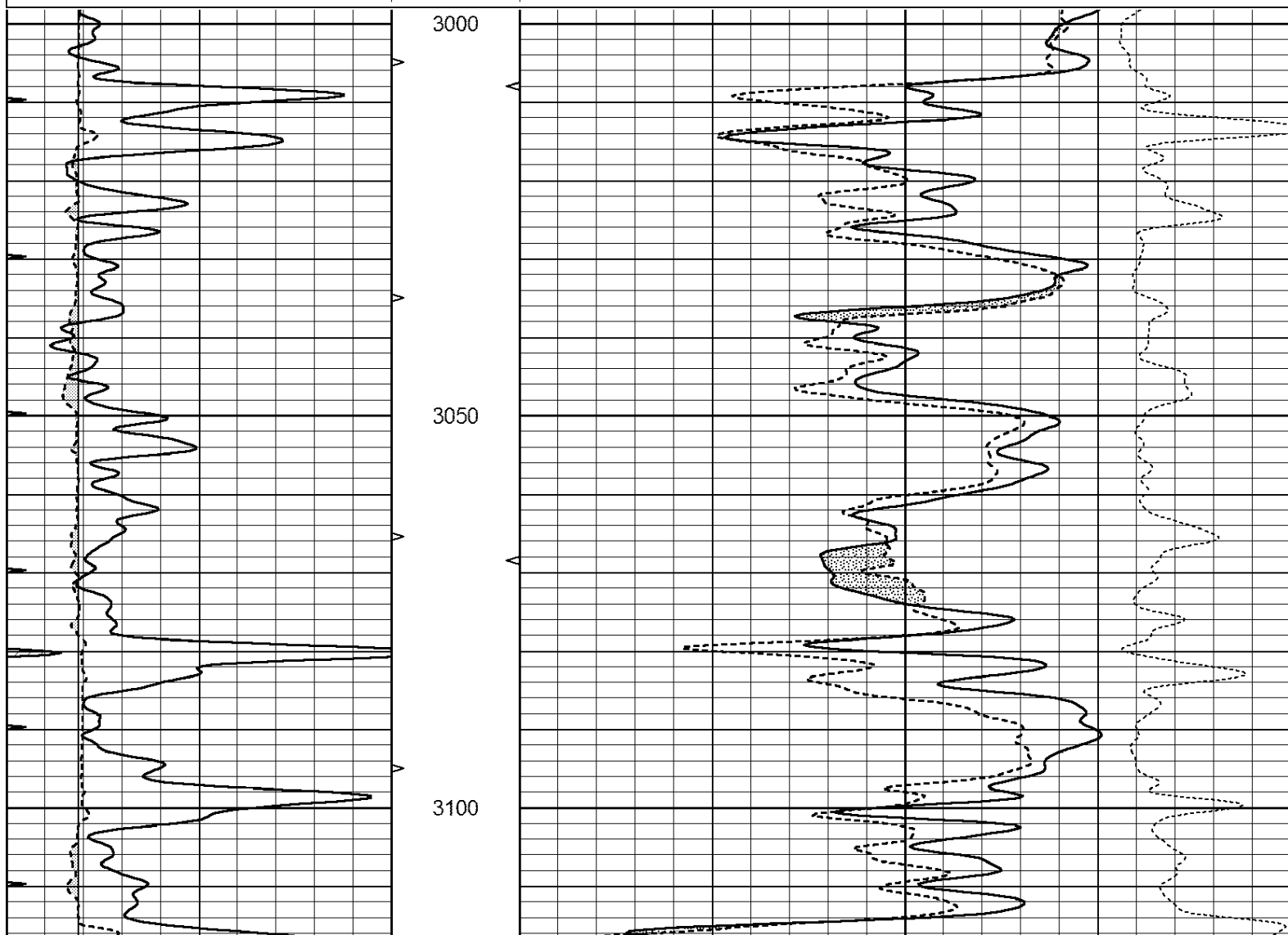


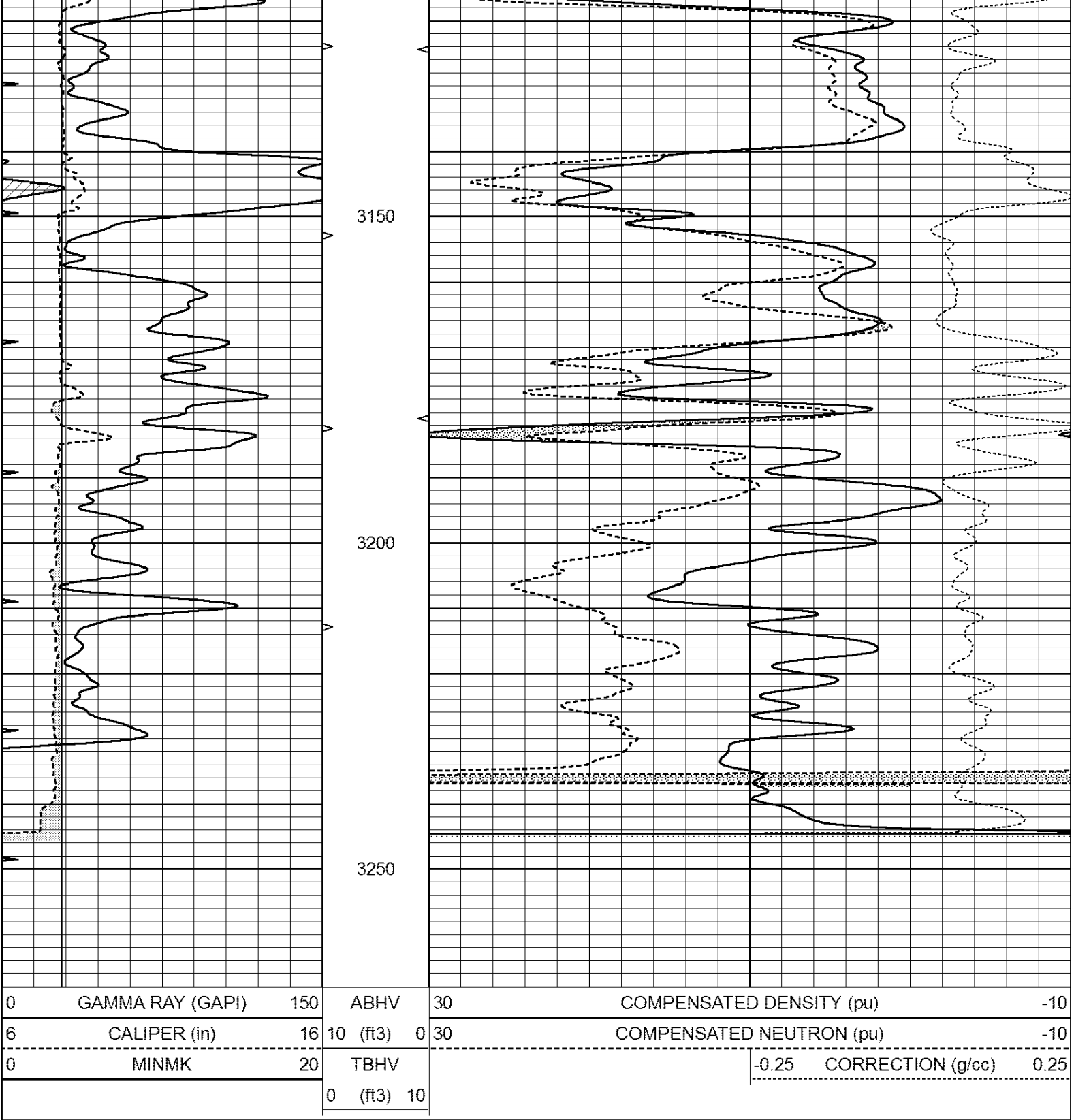
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REPEAT SECTION

Database File: 007085ddn.db
Dataset Pathname: pass2.5
Presentation Format: den_neu
Dataset Creation: Thu Jul 07 04:43:19 2011 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		





Calibration Report					
Database File:		007085ddn.db			
Dataset Pathname:		pass3.3			
Dataset Creation:		Thu Jul 07 05:27:49 2011 by Calc Open-Cased 110302			
Dual Induction Calibration Report					
Serial-Model:		DIL3-GEAR			
Performed:		Thu Jul 07 02:54:38 2011			
Readings		References		Results	
Loop:	Air	Loop	Air	Loop	m b

Deep	0.011	0.656	V	0.000	400.000	mmho/m	640.000	7.000
Medium	0.013	0.740	V	0.000	462.500	mmho/m	700.000	-7.000
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: 006 Model: PRB
Performed Sun Aug 15 09:48:41 2010

Litho Density Calibration

	Background	Magnesium	Aluminum	Sandstone	
Window 1	1686.6	11612.8	3932.0	12718.8	cps
Window 2	1531.4	9204.7	3267.8	9851.9	cps
Window 3	1198.3	4733.6	1952.5	4920.6	cps
Window 4	317.3	321.2	325.9	303.6	cps
Long Space	0.0	7673.3	1736.4	8320.4	cps
Short Space	1.7	2548.5	1657.2	2628.8	cps
Rho		1.7100	2.5900	1.3800	g/cc
Pe			2.5700	1.5500	
Rib Angle	: 43.8	Rib Slope	: 0.961	Density/Spine Ratio	: 0.569
Spine Angle	: 73.8	Spine Slope	: 3.453	Spine Intercept	: -18.1

Caliper

	Readings	Reference	
Low Ref	4.4	8.0	
High Ref	6.5	15.0	
	Gain: 3.2		Offset: -6.1

Compensated Neutron Calibration Report

Serial Number: NEU_4I
Tool Model: G

CALIBRATION

Detector	Readings	Target	Normalization
Short Space	996.00 cps	1000.00 cps	1.0000
Long Space	977.00 cps	1000.00 cps	1.0000

Gamma Ray Calibration Report

Serial Number: GR4
Tool Model: OPEN
Performed: Thu Jul 07 04:38:28 2011

Calibrator Value: 200.0 GAPI

Background Reading: 0.0 cps
Calibrator Reading: 189.0 cps

Sensitivity: 4.0000 GAPI/cps