



Weatherford

**COMPENSATED SONIC
WITH INTEGRATED TRANSIT TIME**

COMPANY		McCoy PETROLEUM CORPORATION	
WELL		REED TRUST "A" #1-36	
FIELD		WILDCAT	
PROVINCE/COUNTY		GRAY	
COUNTRY/STATE		U.S.A. / KANSAS	
LOCATION		660' FNL & 660' FEL	
SEC 36	TWP 28S	RGE 29W	Other Services
Latitude	37.574874	MAI/MFE	MPD/MDN
Longitude	-100.436004	MML	
API Number	15-069-20498		
Permanent Datum GL, Elevation 2769 feet			
Log Measured From KB, 11.00 feet above Permanent Datum			
Drilling Measured From KB			
Date	03-MAR-2017	Elevations: KB 2780.00 DF 2778.00 GL 2769.00	
Run Number	ONE		
Service Order	4558-175770542		
Depth Driller	5500.00	feet	
Depth Logger	5501.00	feet	
First Reading	5488.00	feet	
Last Reading	1776.00	feet	
Casing Driller	1781.00	feet	
Casing Logger	1776.00	feet	
Bit Size	7.875	inches	
Hole Fluid Type	CHEMICAL		
Density / Viscosity	9.05 lb/USg	54.00 CP	
PH / Fluid Loss	10.00	8.00 ml/30Min	
Sample Source	FLOWLINE		
Rm @ Measured Temp	0.99 @ 75.0	ohm-m	
Rmf @ Measured Temp	0.79 @ 75.0	ohm-m	
Rmc @ Measured Temp	1.19 @ 75.0	ohm-m	
Source Rmf / Rmc	CALC	CALC	
Rm @ BHT	0.65 @ 115.0	ohm-m	
Time Since Circulation	5 HOURS		
Max Recorded Temp	115.00	deg F	
Equipment / Base	13096	LIB	
Recorded By	ADAM SILL		
Witnessed By	ZACH WIELE		

BOREHOLE RECORD					Last Edited: 03-MAR-2017 20:48
Bit Size inches		Depth From feet		Depth To feet	
7.875		1781.00		5500.00	
CASING RECORD					
Type	Size inches	Depth From feet	Shoe Depth feet	Weight pounds/ft	
SURFACE	8.625	0.00	1781.00	24.00	

REMARKS
- SOFTWARE ISSUE: WLS 16.05.4955.
- RUN ONE: MCG, MML, MDN, MPD, MFE, MSS, MAI RUN IN COMBINATION. - HARDWARE: DUAL BOWSPRING USED ON MDN. 0.5 INCH STANDOFF USED ON MFE. TWO 0.5 INCH STANDOFFS USED ON MSS. 0.5 INCH STANDOFF USED ON MAI.
- RUN TWO: SHA, MCG, MIM, MIE RUN IN COMBINATION.
- 2.71 G/CC LIMESTONE DENSITY MATRIX USED TO CALCULATE POROSITY.
- BOREHOLE RUGOSITY, TIGHT PULLS, AND WASHOUTS WILL AFFECT DATA QUALITY.
- ALL INTERVALS LOGGED AND SCALED PER CUSTOMER'S REQUEST.
- TOTAL HOLE VOLUME FROM TD TO SURFACE CASING: 1385 CU.FT.

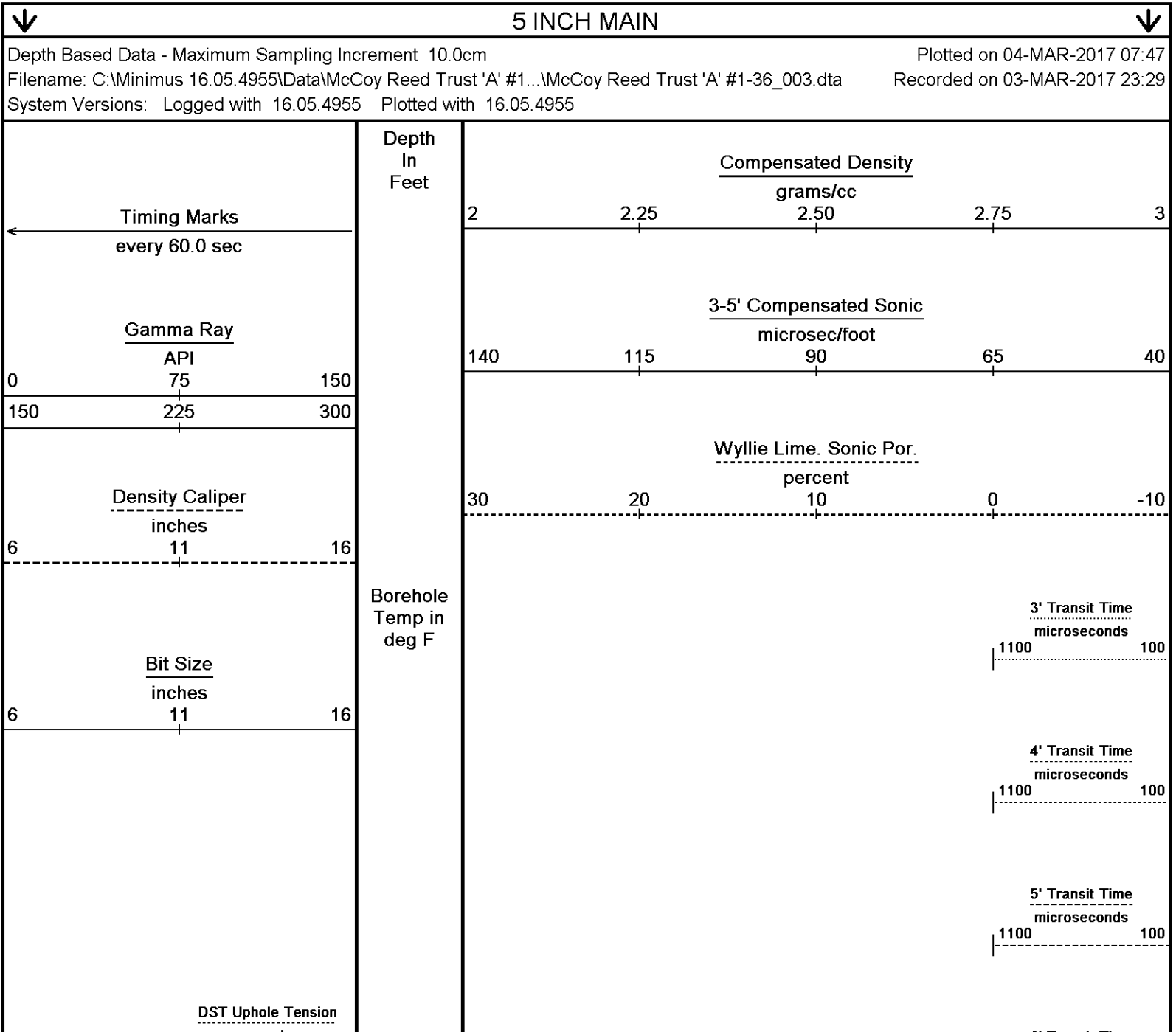
- ANNULAR HOLE VOLUME WITH 4.5 INCH PRODUCTION CASING FROM TD TO 2700 FEET: 638 CU.FT.

- RIG: STERLING #4.

- ENGINEER: A. SILL.

- OPERATOR: B. TOVAR.

In interpreting, communicating or providing information and/or making recommendations, either written or oral, as to logs or test or other data, type or amount of material, or Work or other service to be furnished, or manner of performance, or in predicting results to be obtained, the Contractor will give the Company the benefit of the Contractor's best judgment based on its experience and will perform all such Work in a good and workmanlike manner. Any interpretation of test or other data, and any recommendation or reservoir description based upon such interpretations, are opinions based upon inferences from measurements and empirical relationships and assumptions, which inferences and assumptions are not infallible, and with respect to which professional engineers and analysts may differ. ACCORDINGLY ANY INTERPRETATION OR RECOMMENDATION RESULTING FROM THE SERVICES WILL BE AT THE SOLE RISK OF THE COMPANY, AND THE CONTRACTOR CANNOT AND DOES NOT WARRANT THE ACCURACY, CORRECTNESS OR COMPLETENESS OF ANY SUCH INTERPRETATION OR RECOMMENDATION, WHICH INTERPRETATIONS AND RECOMMENDATIONS SHOULD NOT, THEREFORE, UNDER ANY CIRCUMSTANCES BE RELIED UPON AS THE SOLE OR MAIN BASIS FOR ANY DRILLING, COMPLETION, WELL TREATMENT, PRODUCTION OR FINANCIAL DECISION, OR ANY PROCEDURE INVOLVING ANY RISK TO THE SAFETY OF ANY DRILLING ACTIVITY, DRILLING RIG OR ITS CREW OR ANY OTHER INDIVIDUAL. THE COMPANY HAS FULL RESPONSIBILITY FOR ALL DECISIONS CONCERNING THE SERVICES.



5000 pounds 0

Replay
Scale
1:240

1764

Casing
Shoe

1800

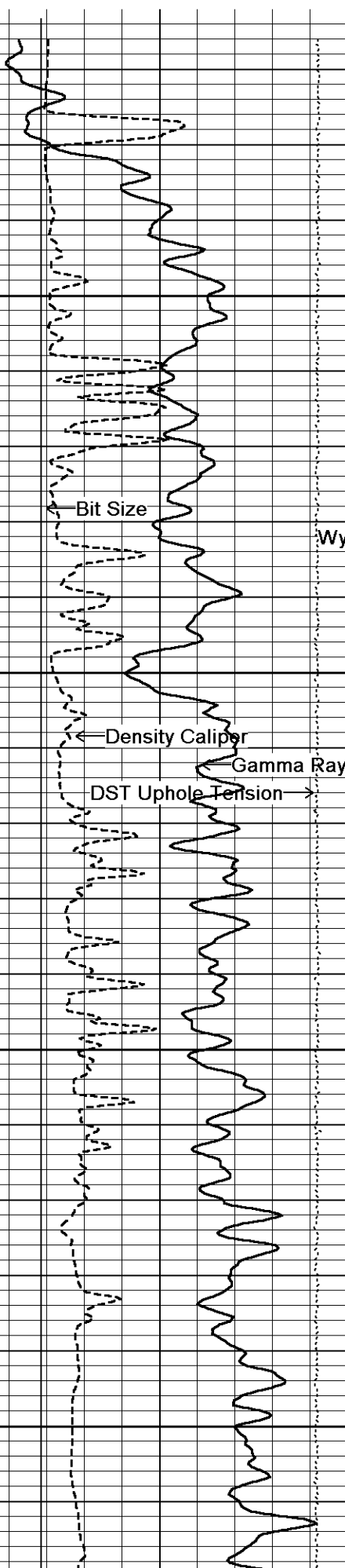
1850

1900

1950

6' Transit Time

1100 100
microseconds

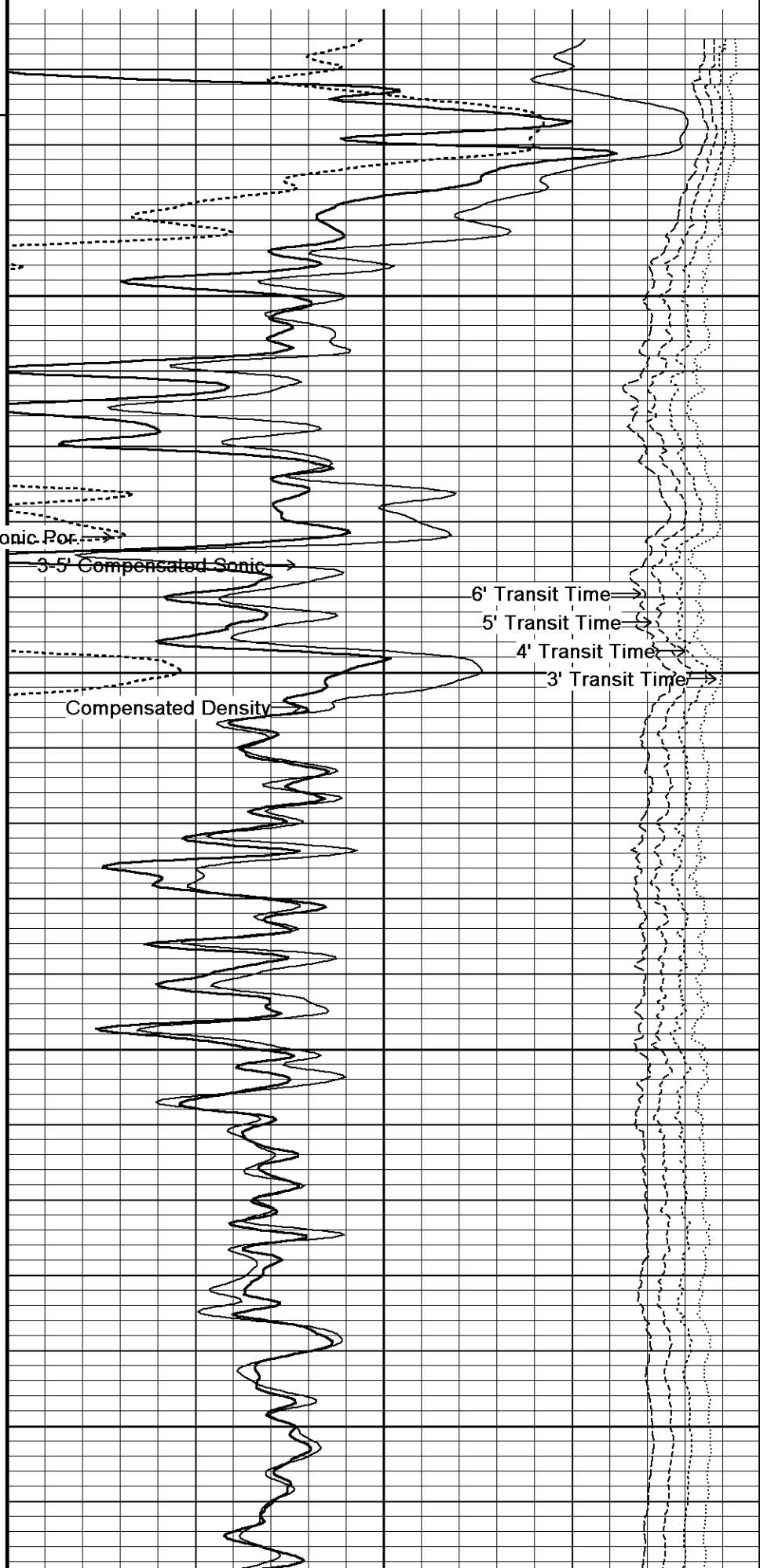


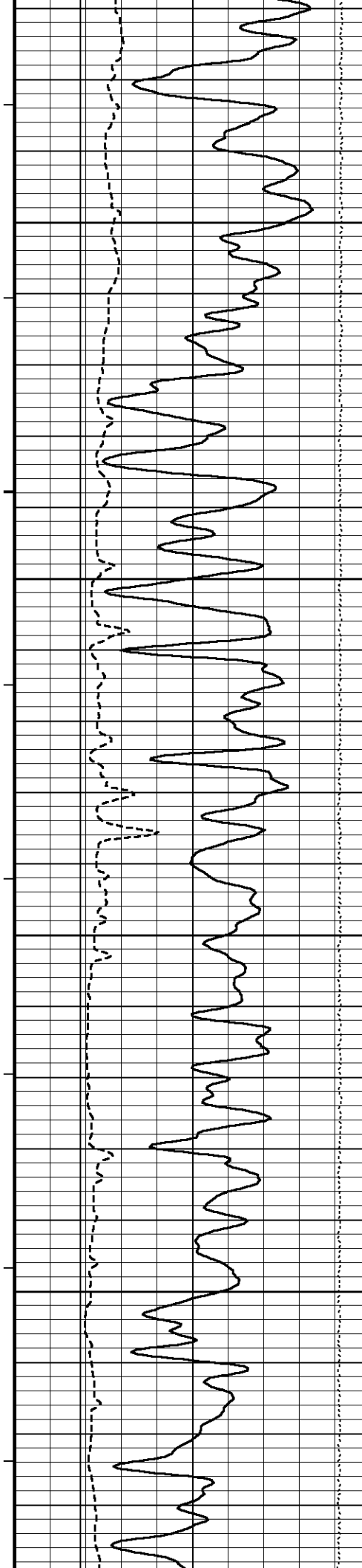
Wyllie Lime. Sonic Por.

92°

92°

92°





93°

2000

93°

2050

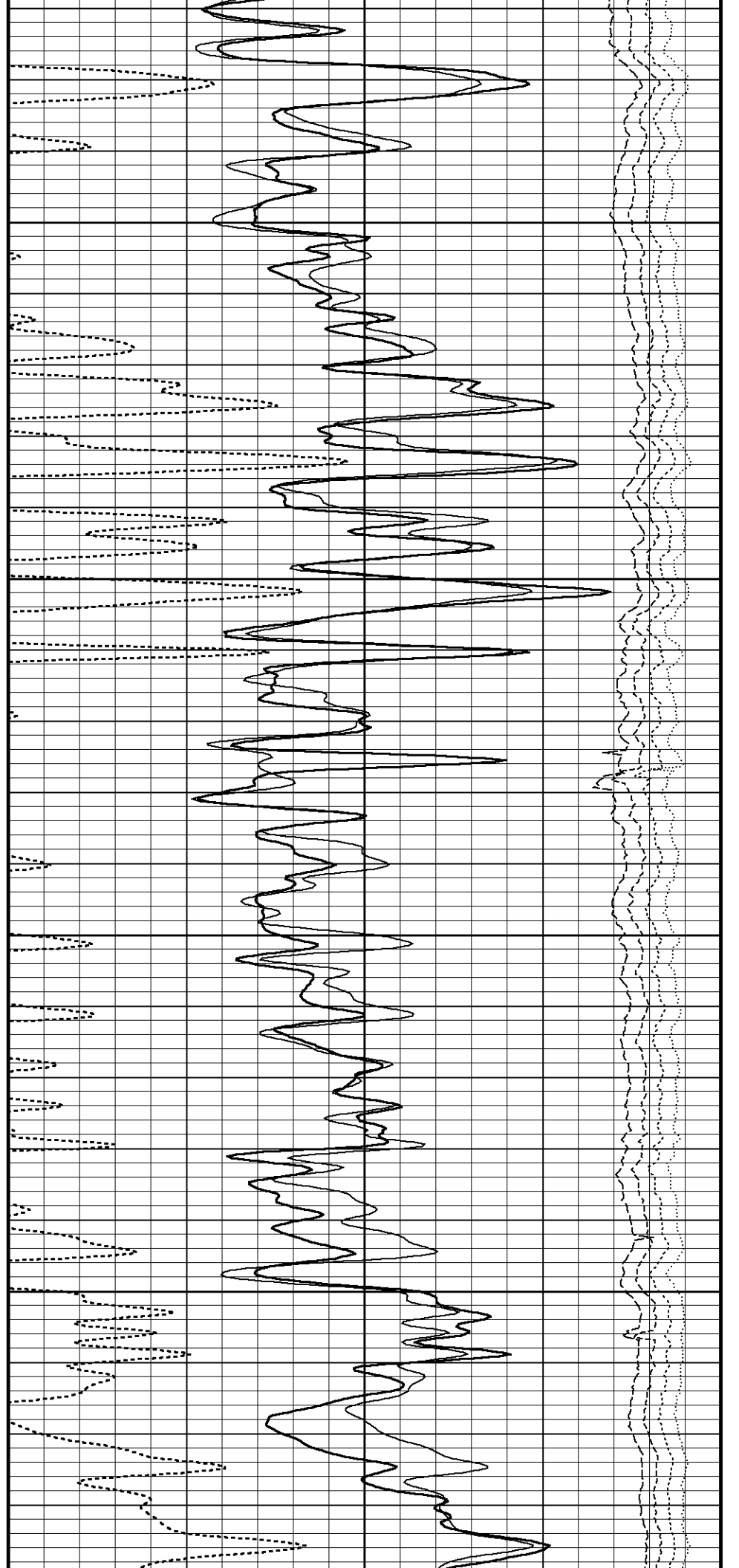
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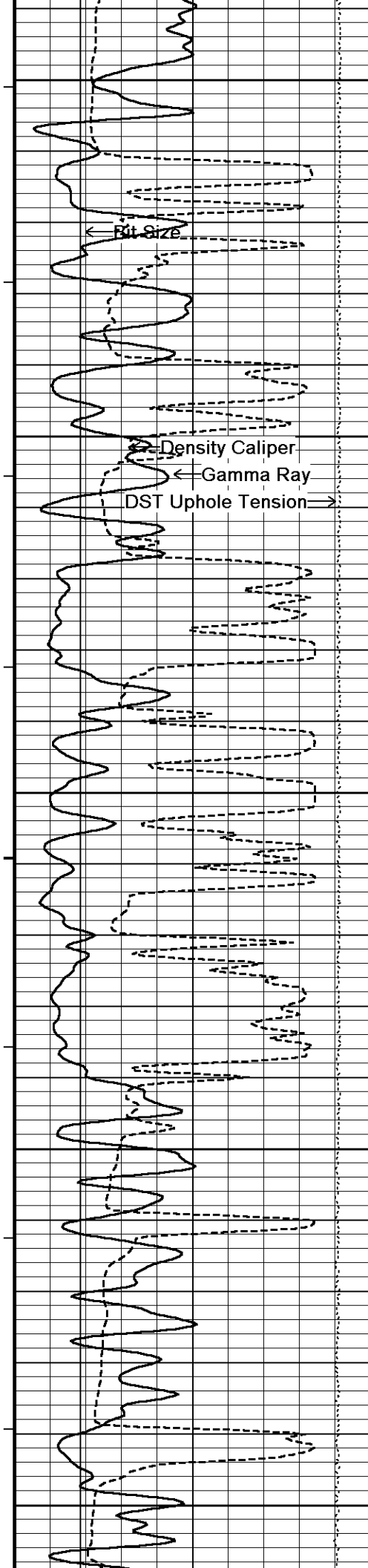
2100

93°

2150

94°





2200

94°

2250

95°

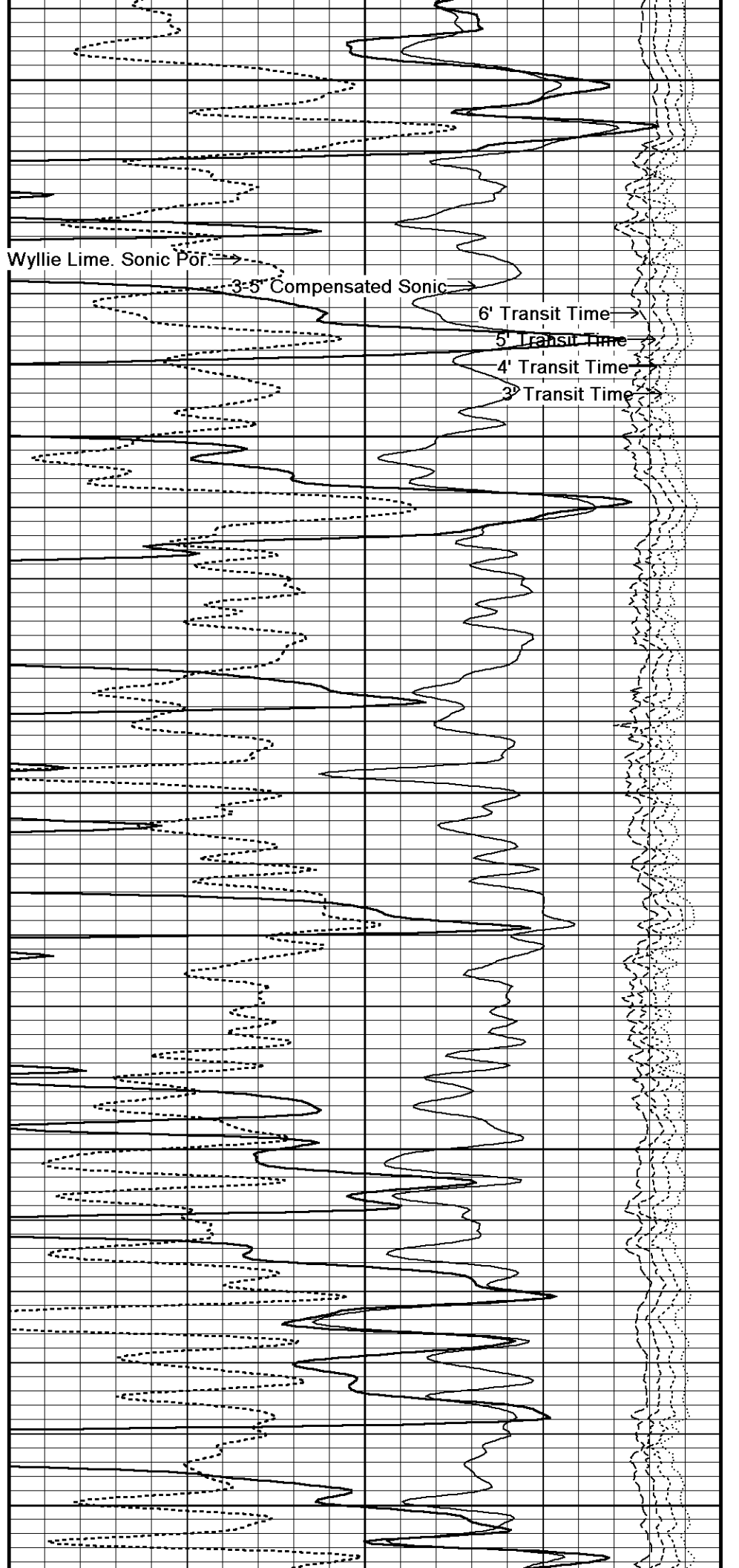
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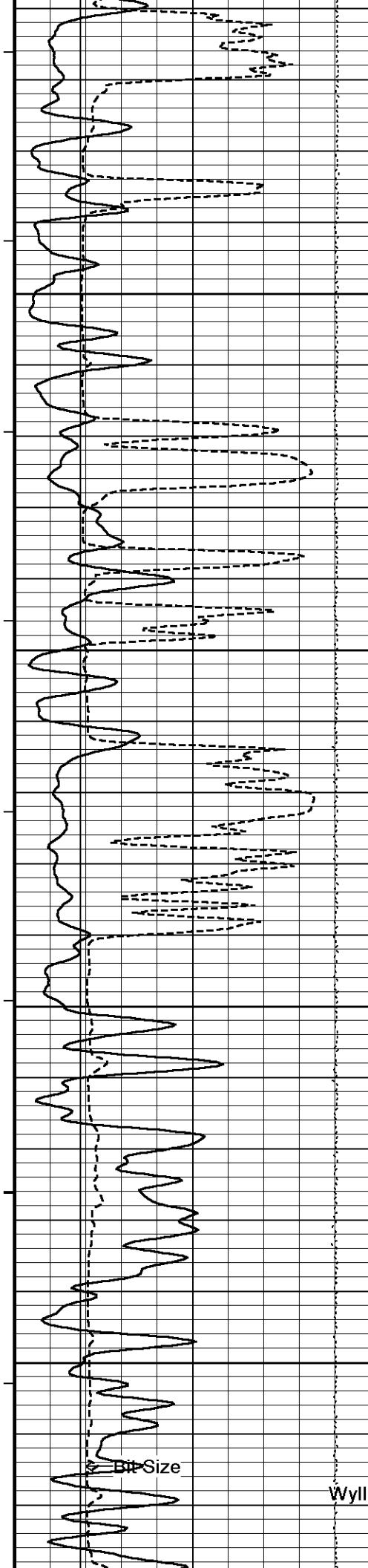
95°

2350

95°

2400





95°

2450

95°

2500

95°

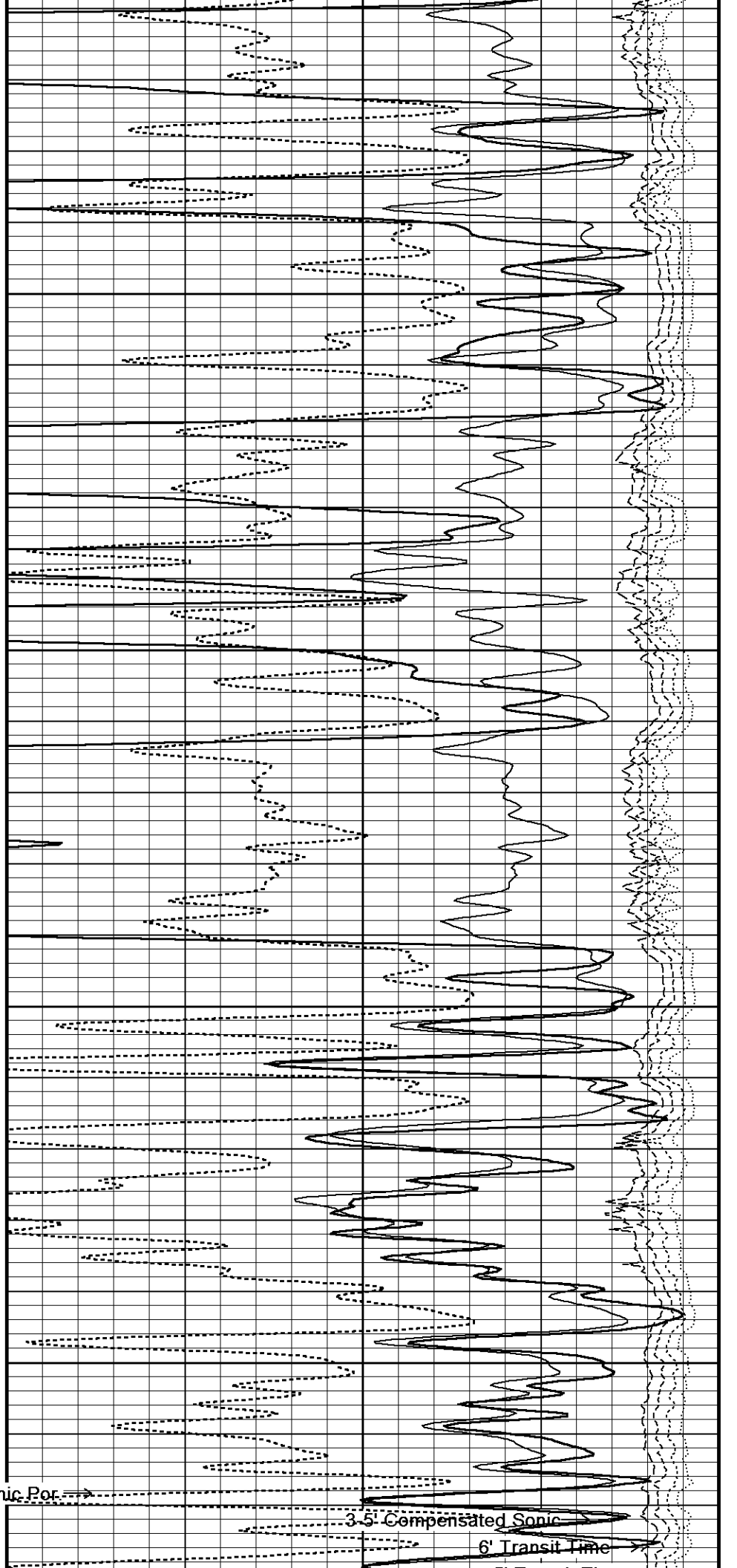
2550

95°

2600

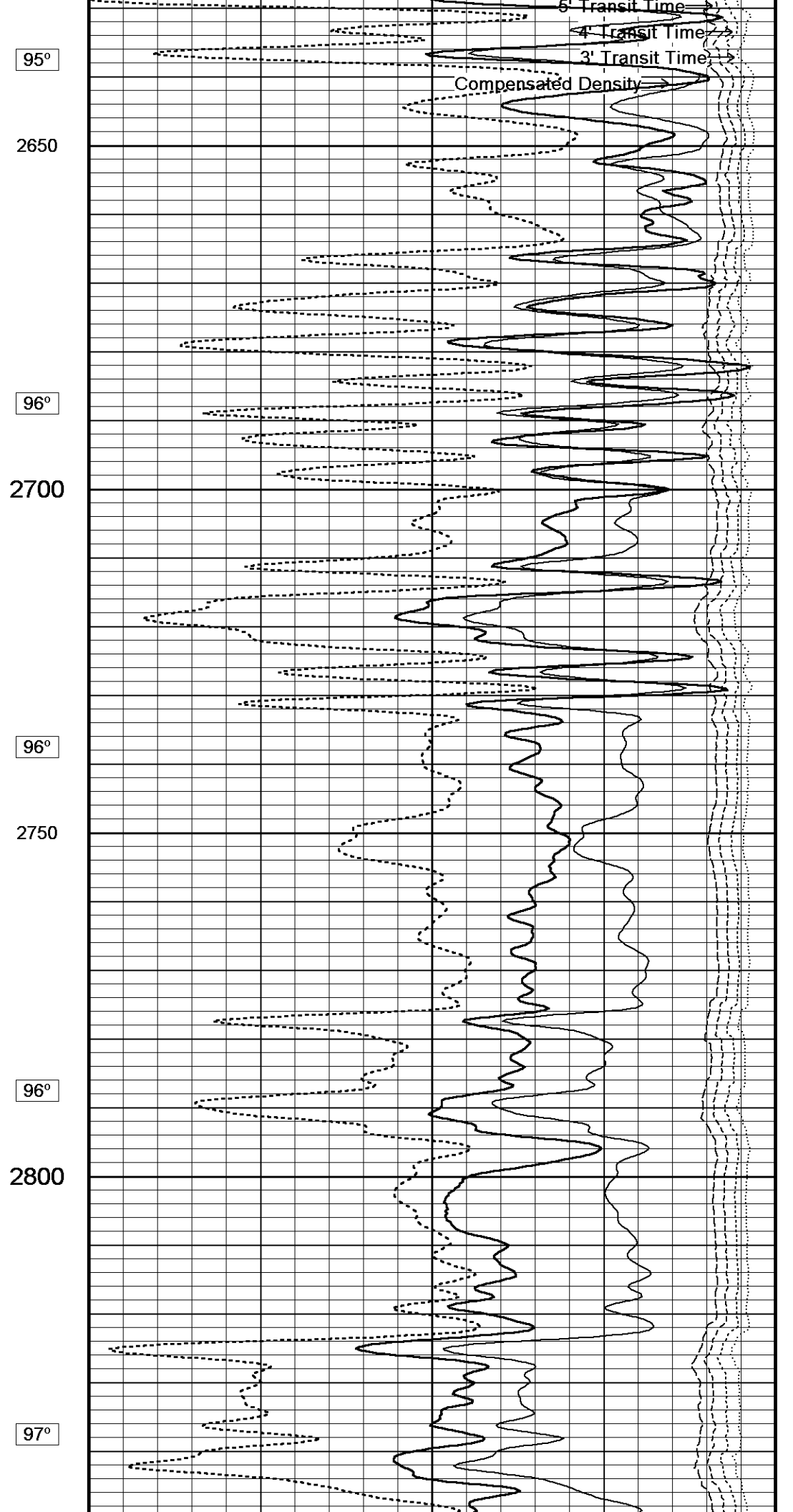
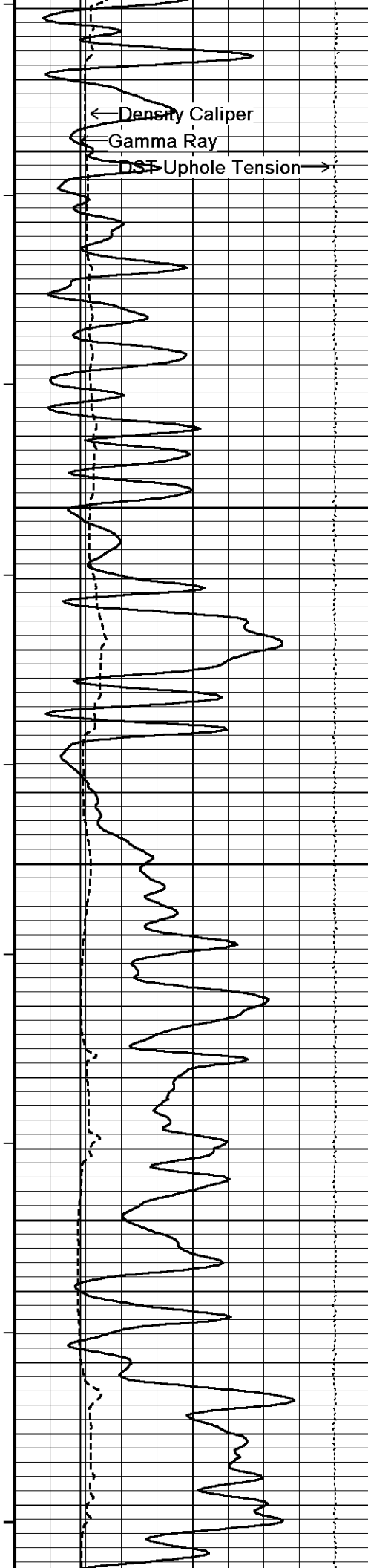
Bit Size

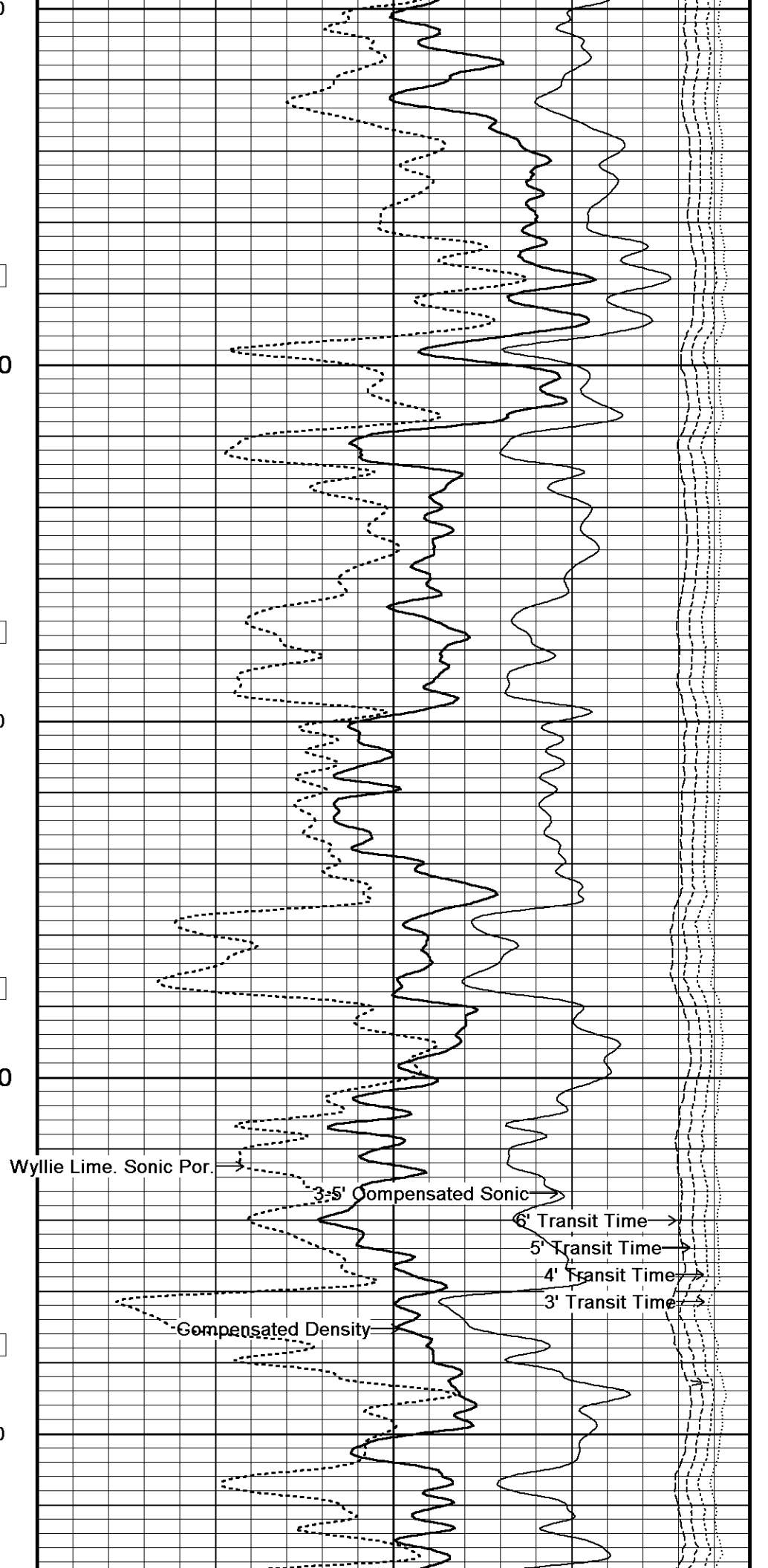
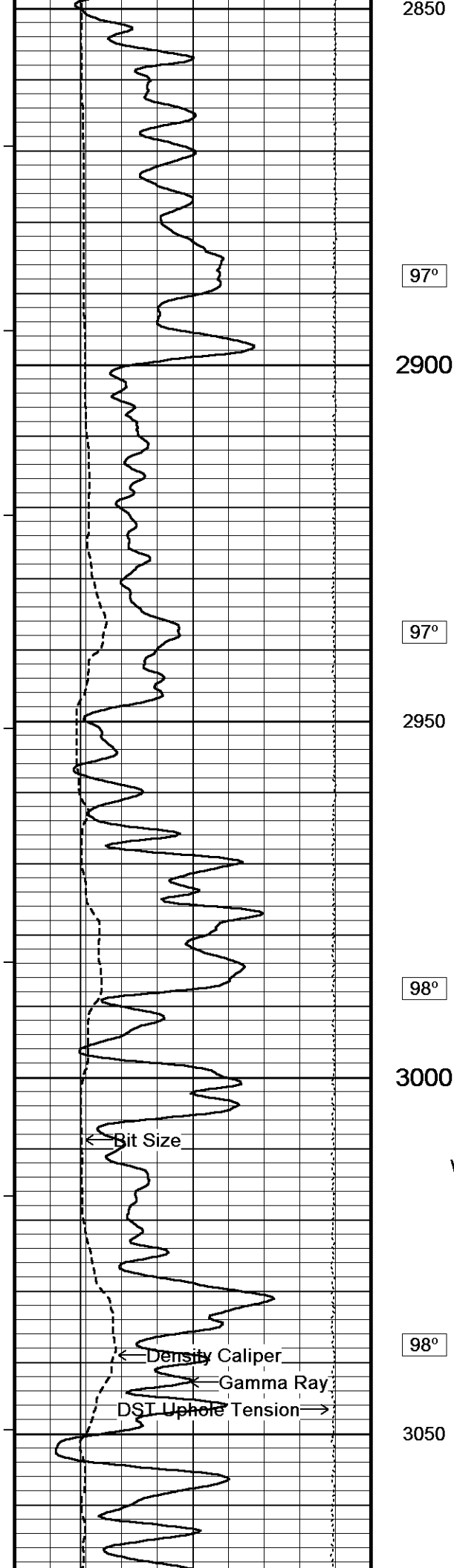
Wyllie Lime. Sonic Por. →

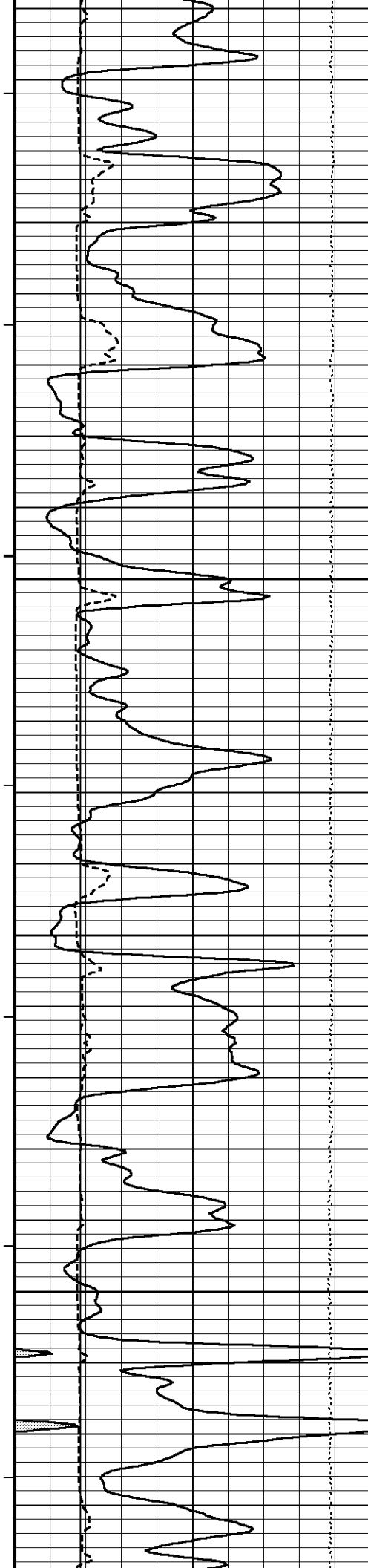


3.5' Compensated Sonic

6' Transit Time







98°

3100

99°

3150

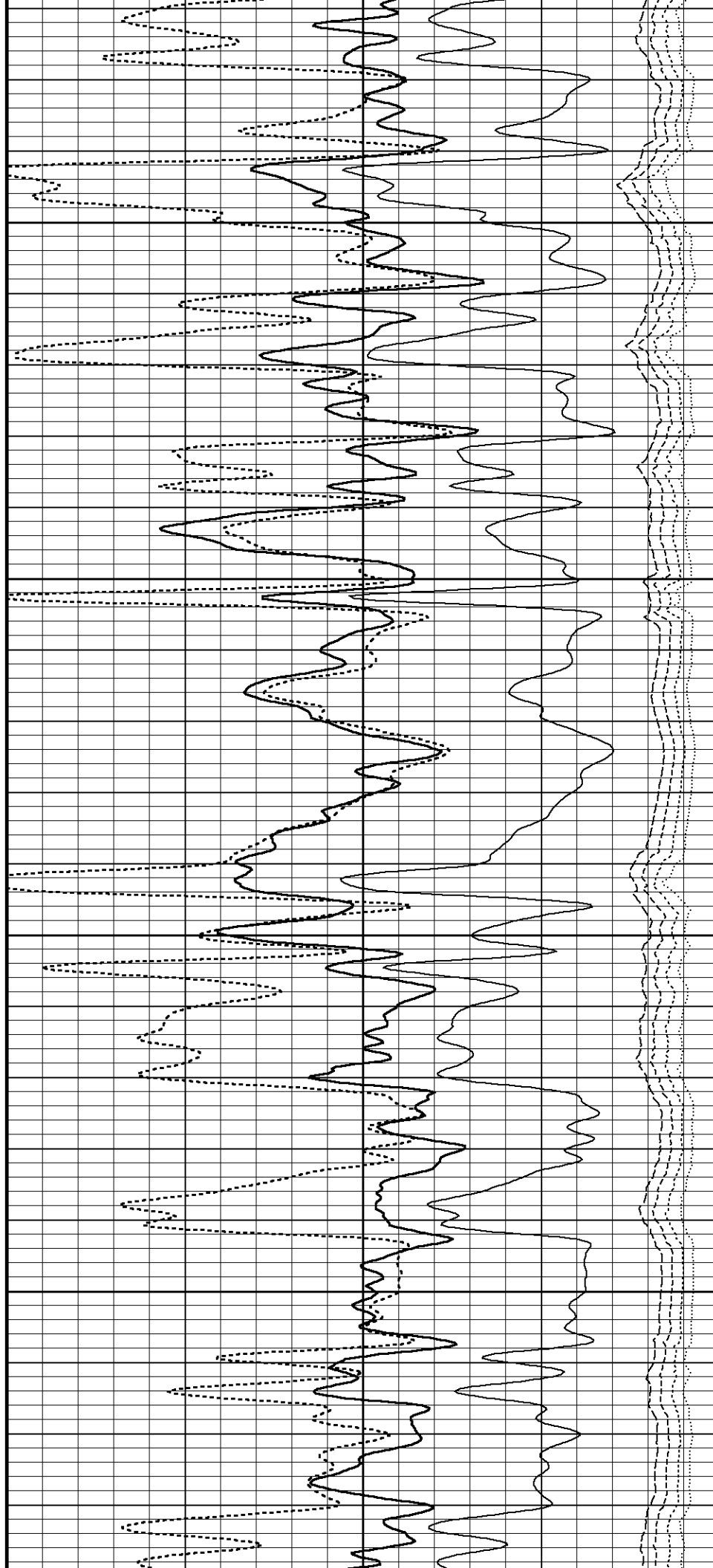
99°

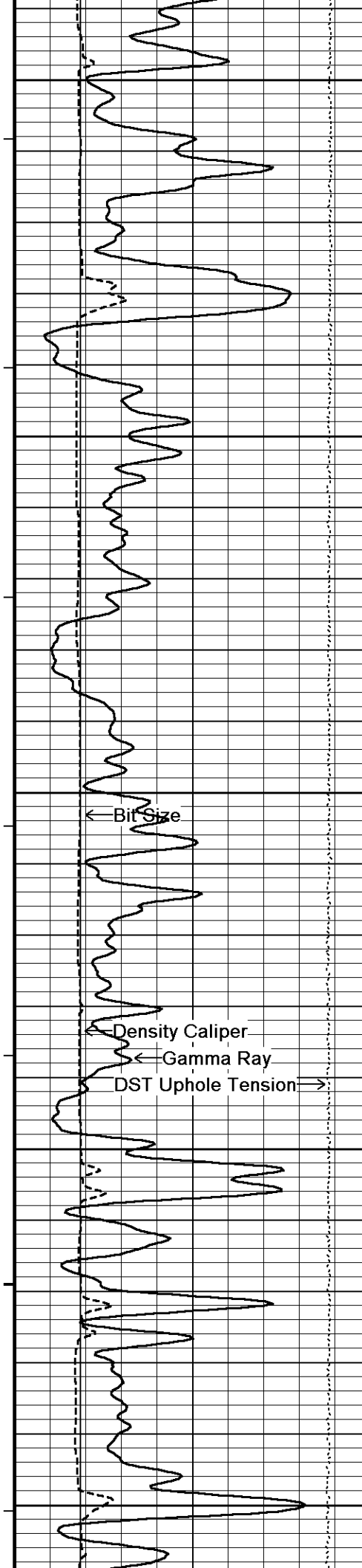
3200

99°

3250

100°





3300

100°

3350

100°

3400

← Bit Size

Density Caliper

← Gamma Ray

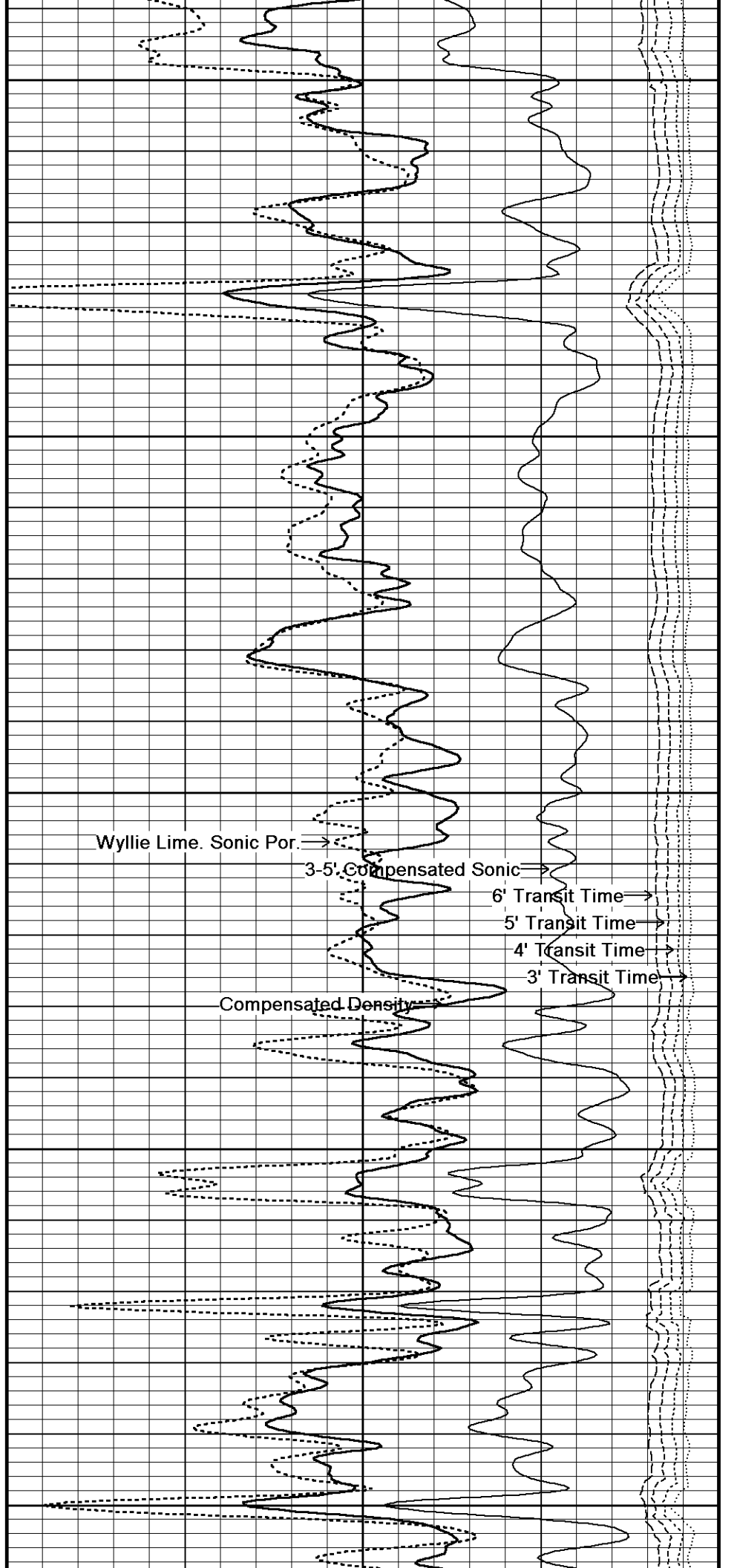
DST Uphole Tension →

101°

3450

101°

3500



Wyllie Lime. Sonic Por. →

3-5' Compensated Sonic →

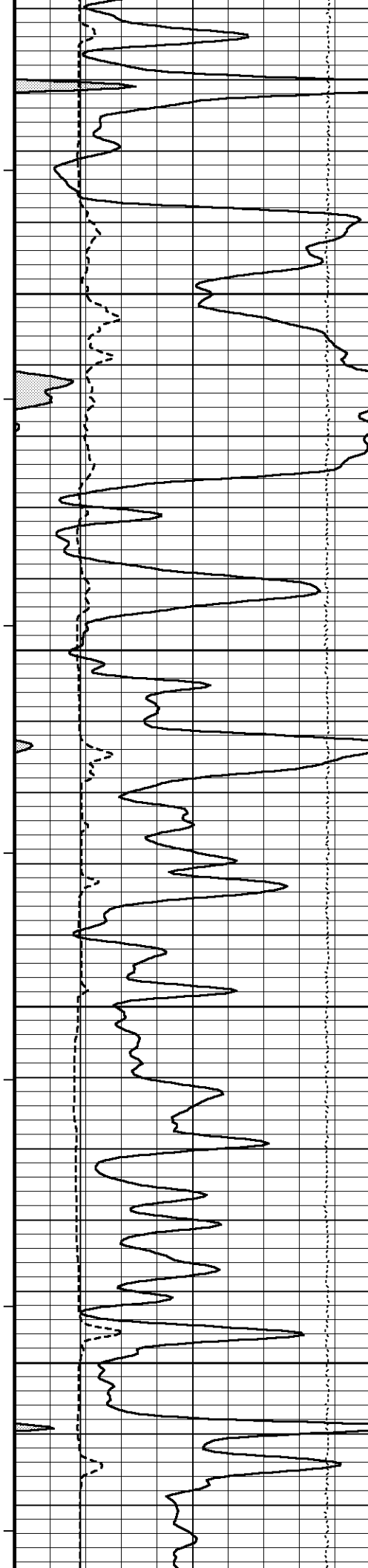
6' Transit Time →

5' Transit Time →

4' Transit Time →

3' Transit Time →

Compensated Density →



101°

3550

102°

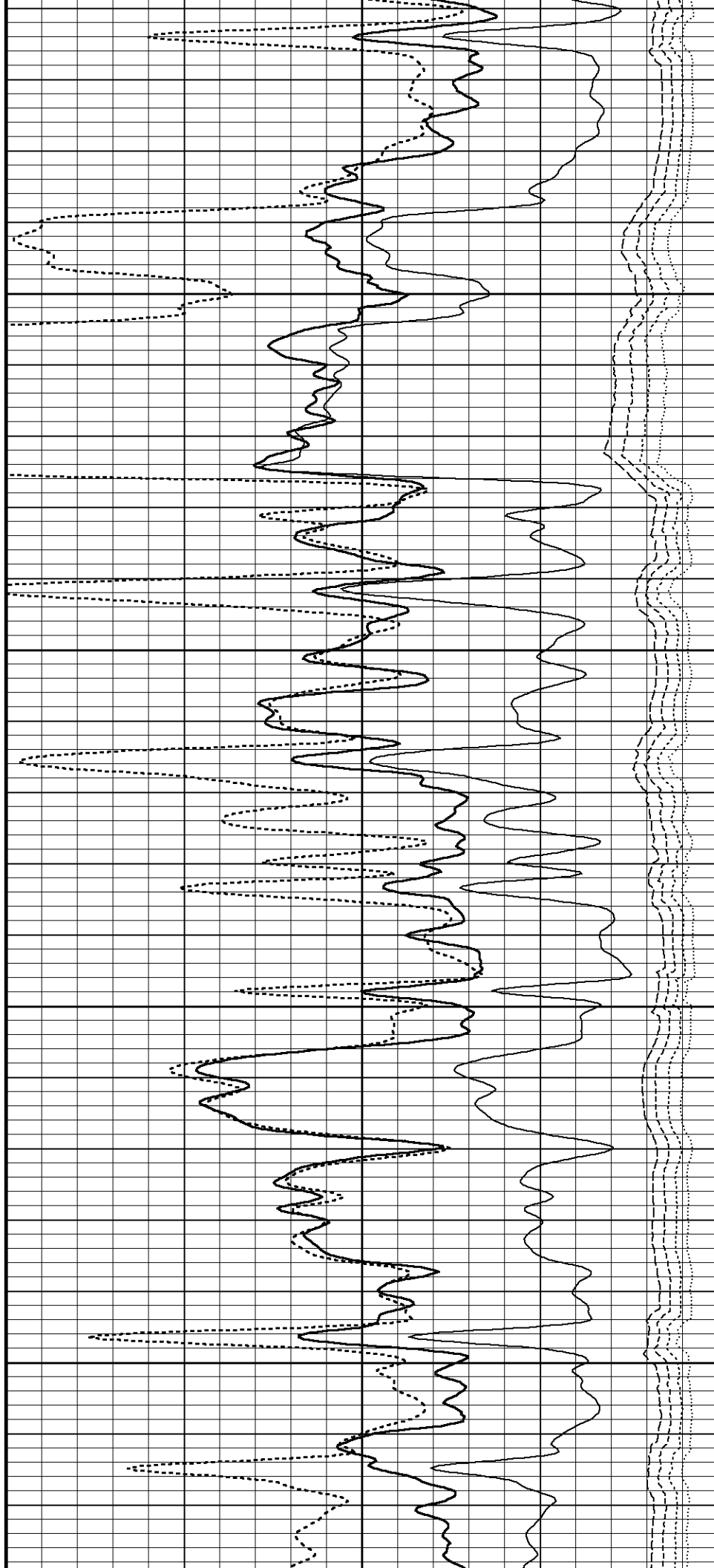
3600

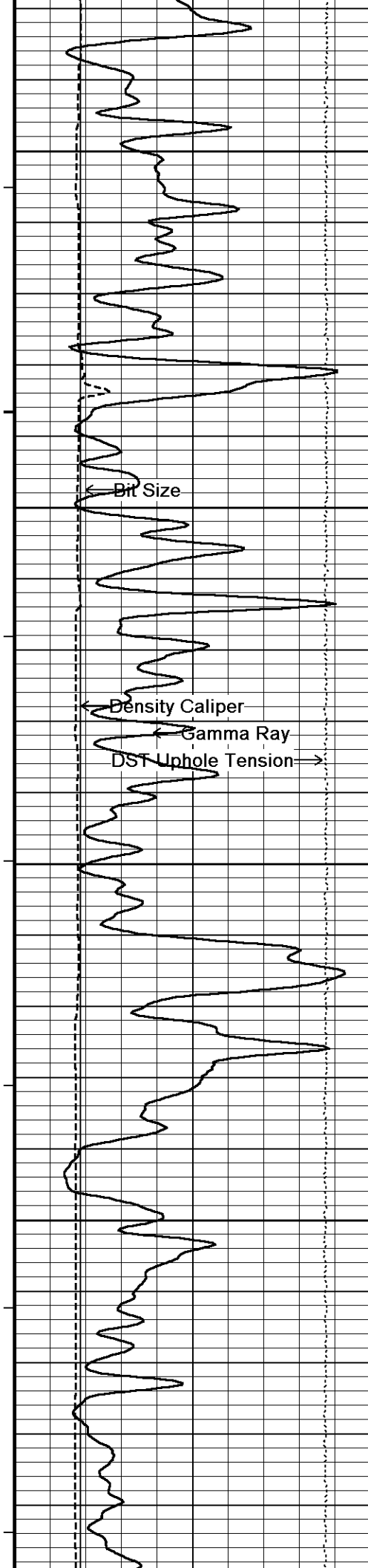
102°

3650

102°

3700





103°

3750

103°

3800

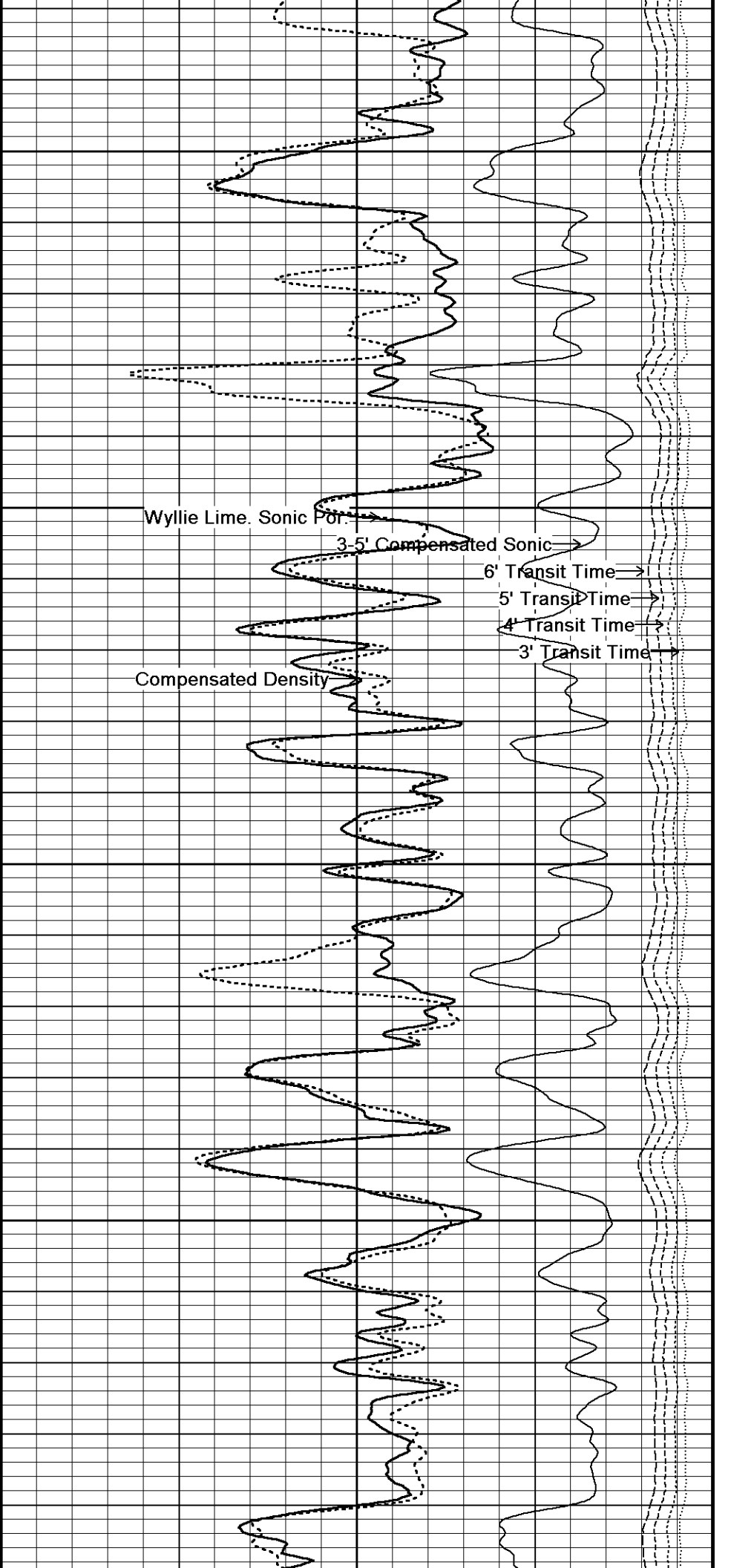
103°

3850

104°

3900

104°



Wyllie Lime. Sonic Por.

3-5' Compensated Sonic

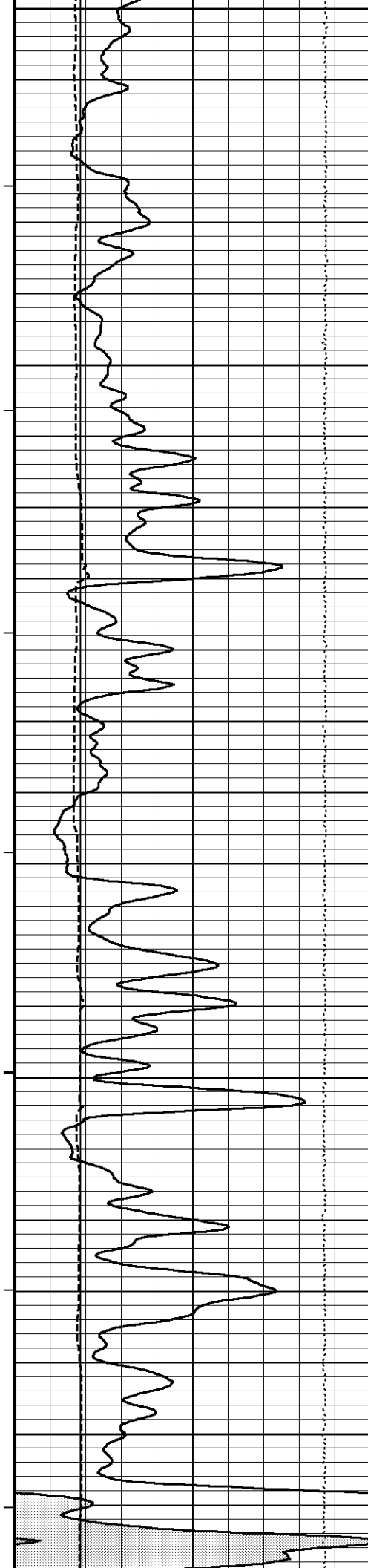
6' Transit Time

5' Transit Time

4' Transit Time

3' Transit Time

Compensated Density



3950

104°

4000

104°

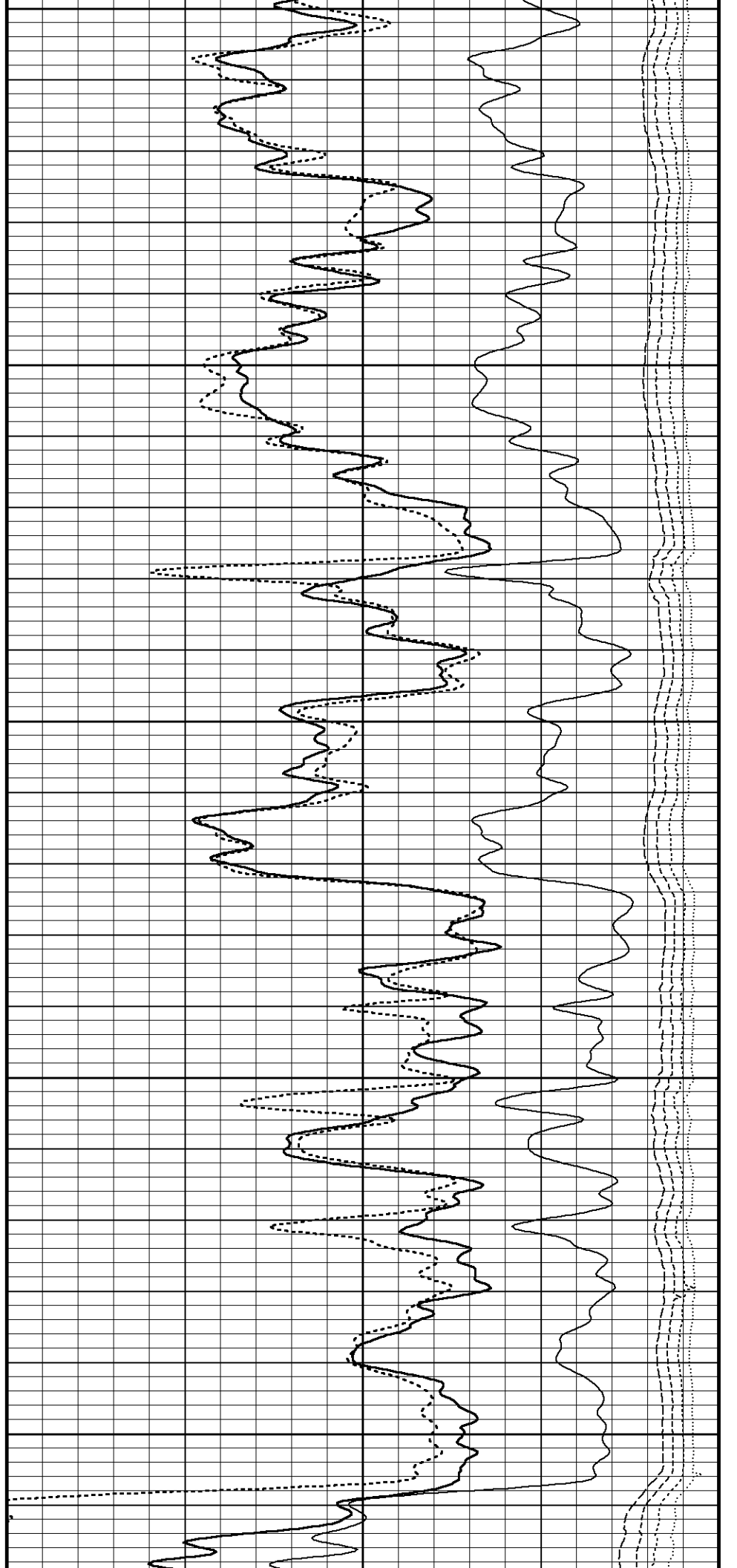
4050

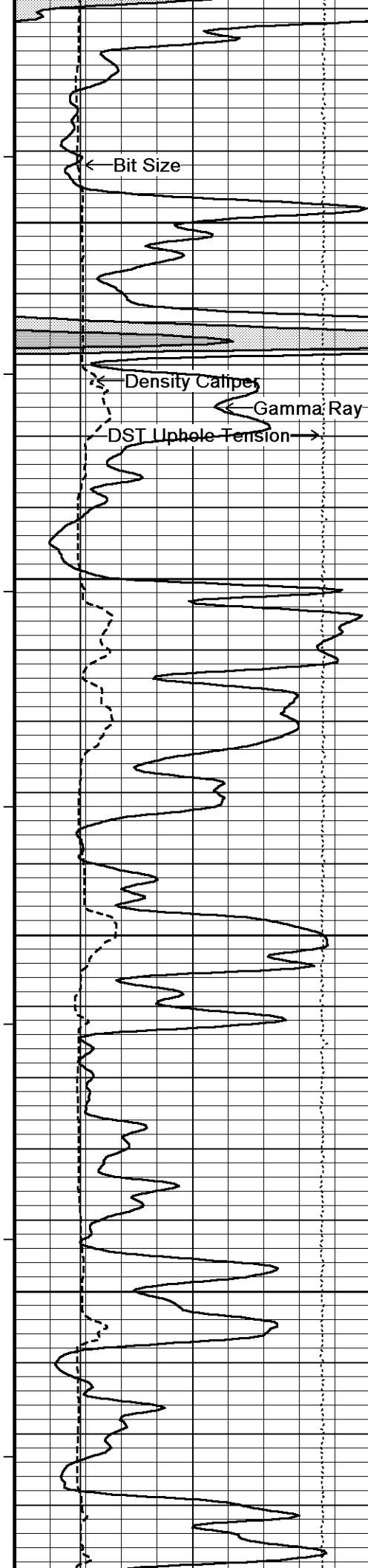
105°

4100

105°

4150





105°

4200

106°

4250

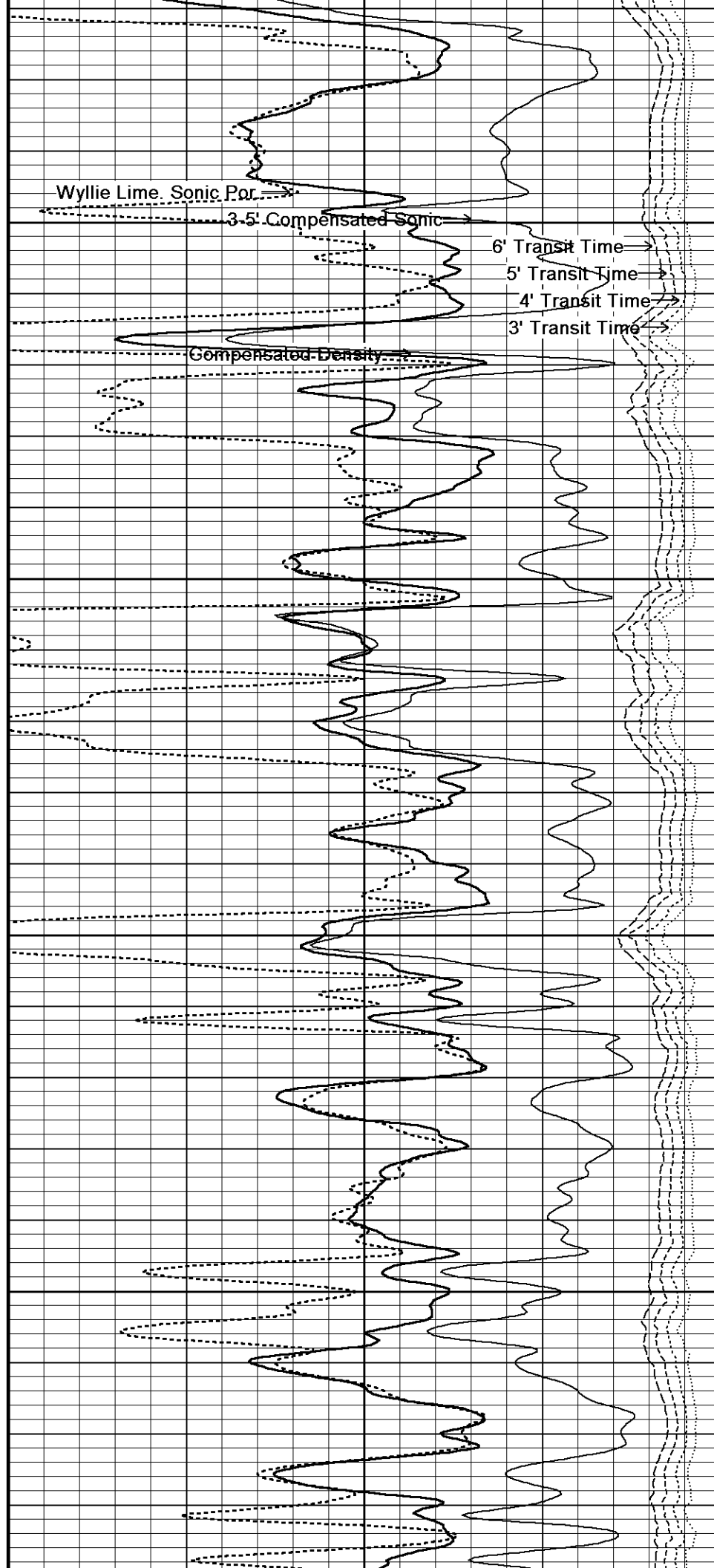
106°

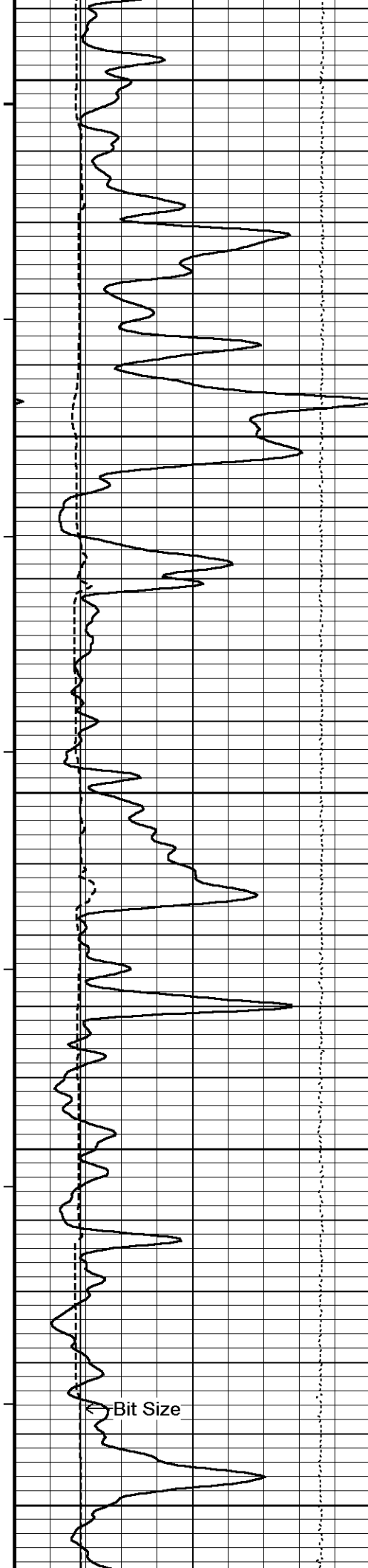
4300

106°

4350

107°





4400

107°

4450

107°

4500

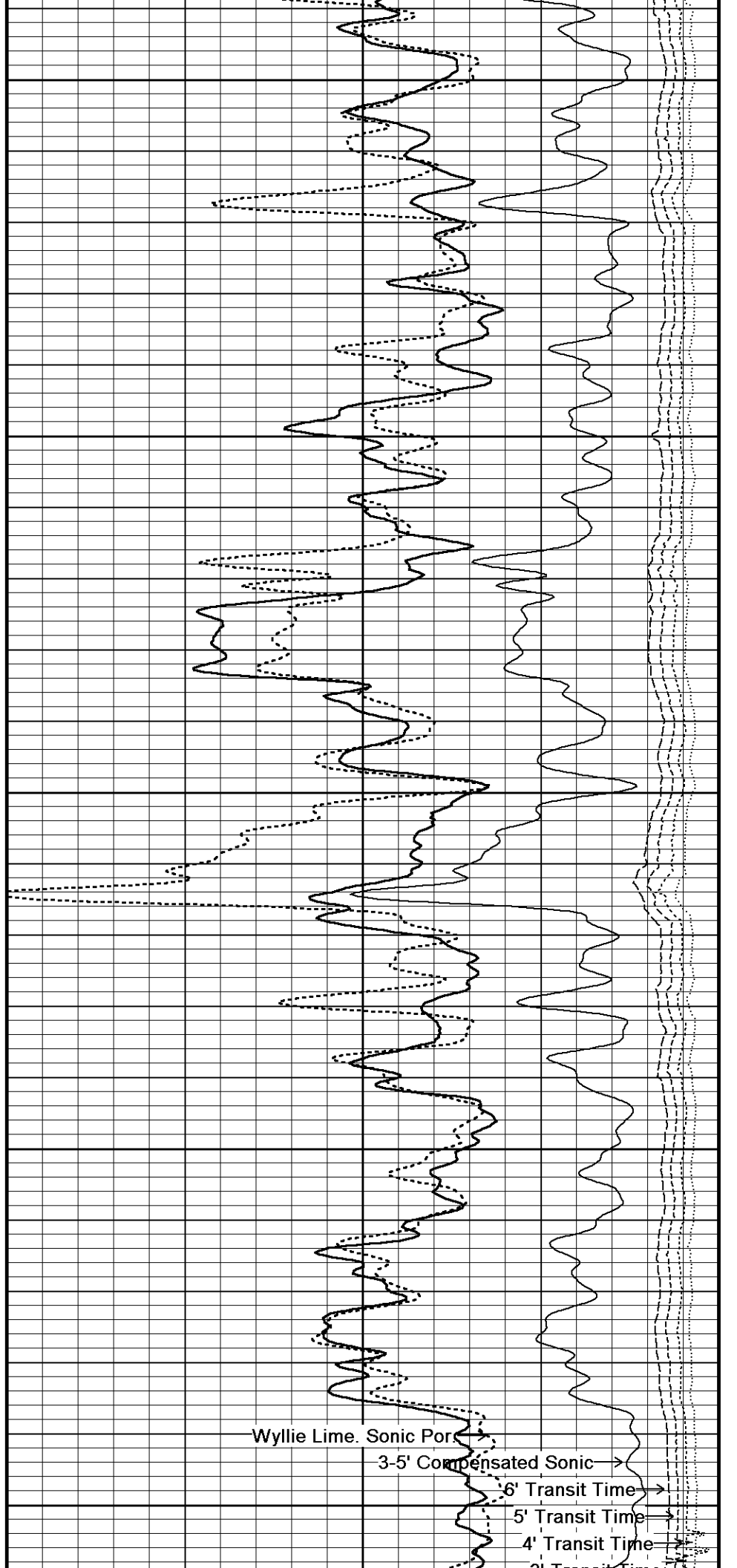
108°

4550

108°

4600

Bit Size



Wyllie Lime. Sonic Por

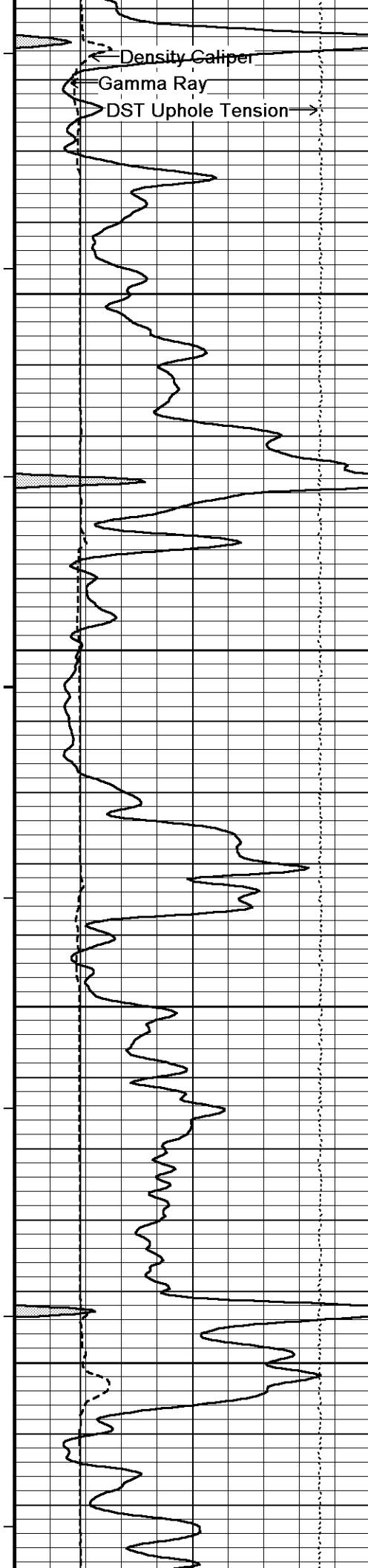
3-5' Compensated Sonic

6' Transit Time

5' Transit Time

4' Transit Time

3' Transit Time



108°

4650

109°

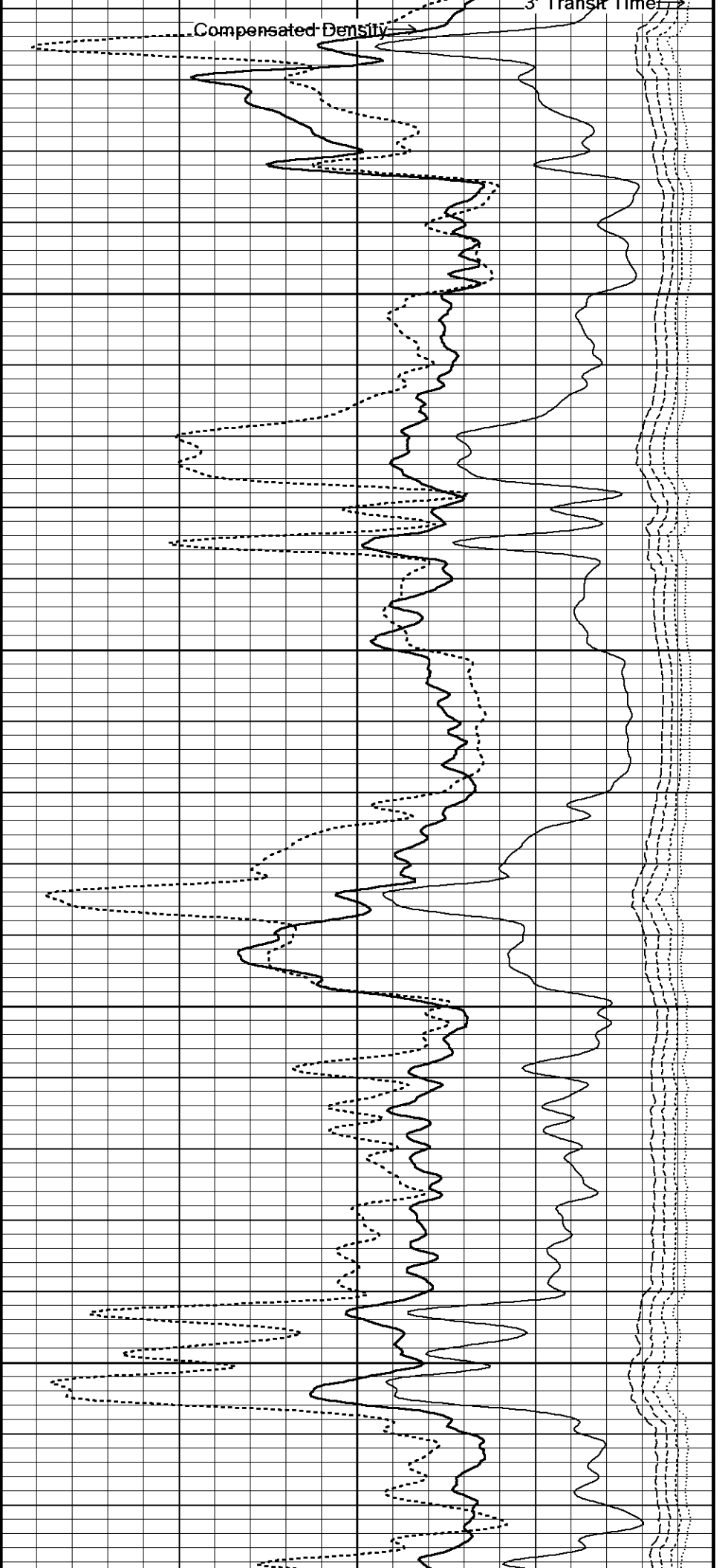
4700

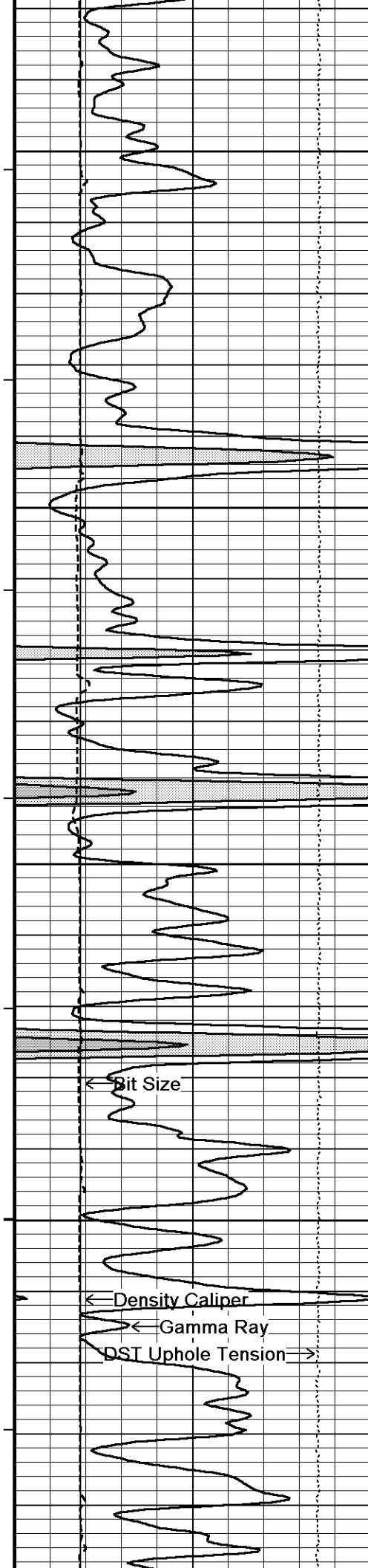
109°

4750

109°

4800





109°

4850

110°

4900

110°

4950

← Bit Size

111°

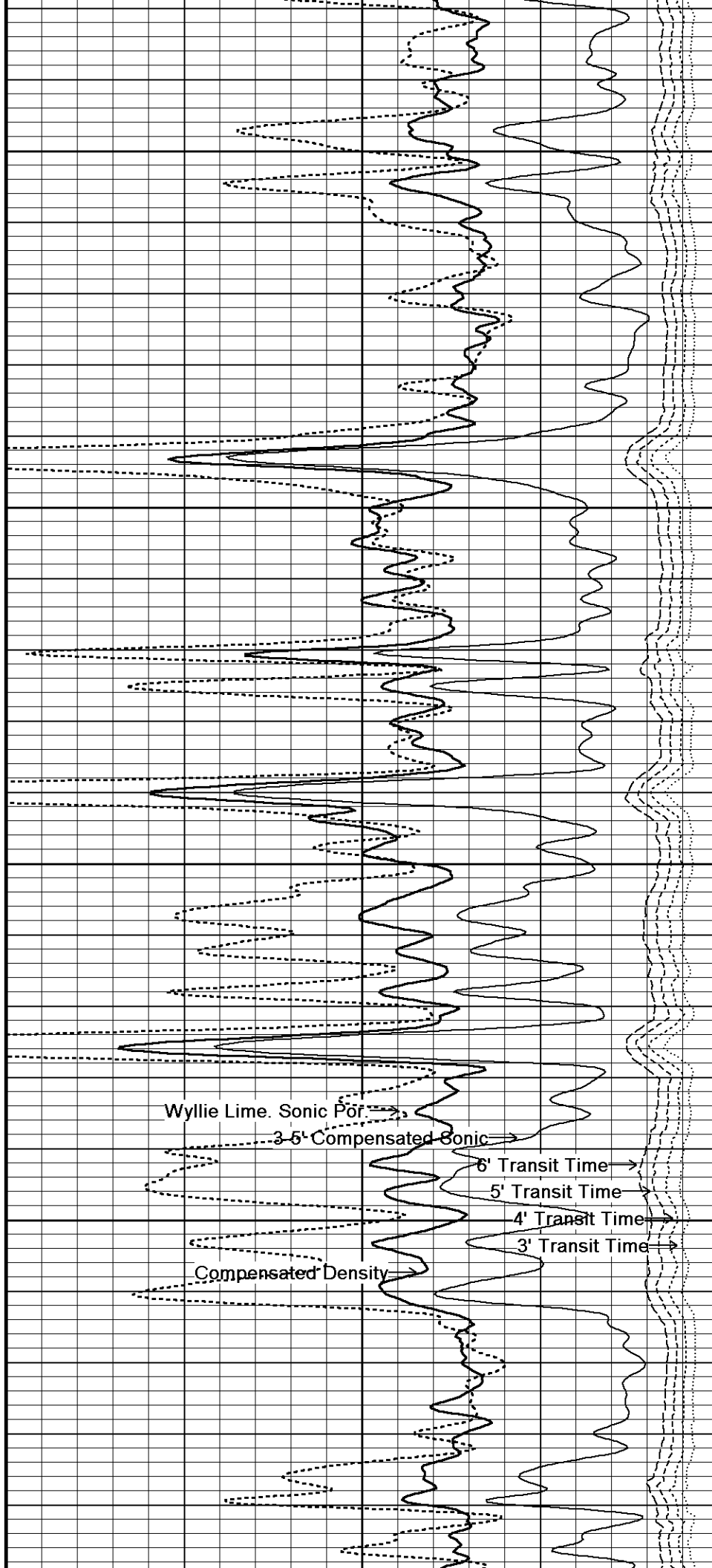
5000

← Density Caliper

← Gamma Ray

DST Uphole Tension →

111°



Wyllie Lime. Sonic Por. →

3-5' Compensated Sonic →

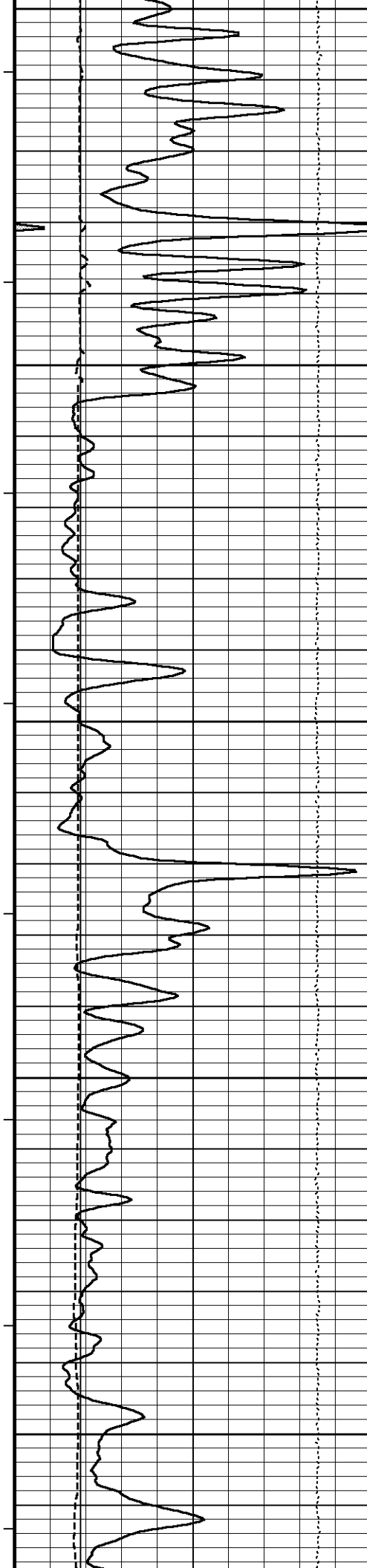
6' Transit Time →

5' Transit Time →

4' Transit Time →

3' Transit Time →

Compensated Density →



5050

112°

5100

112°

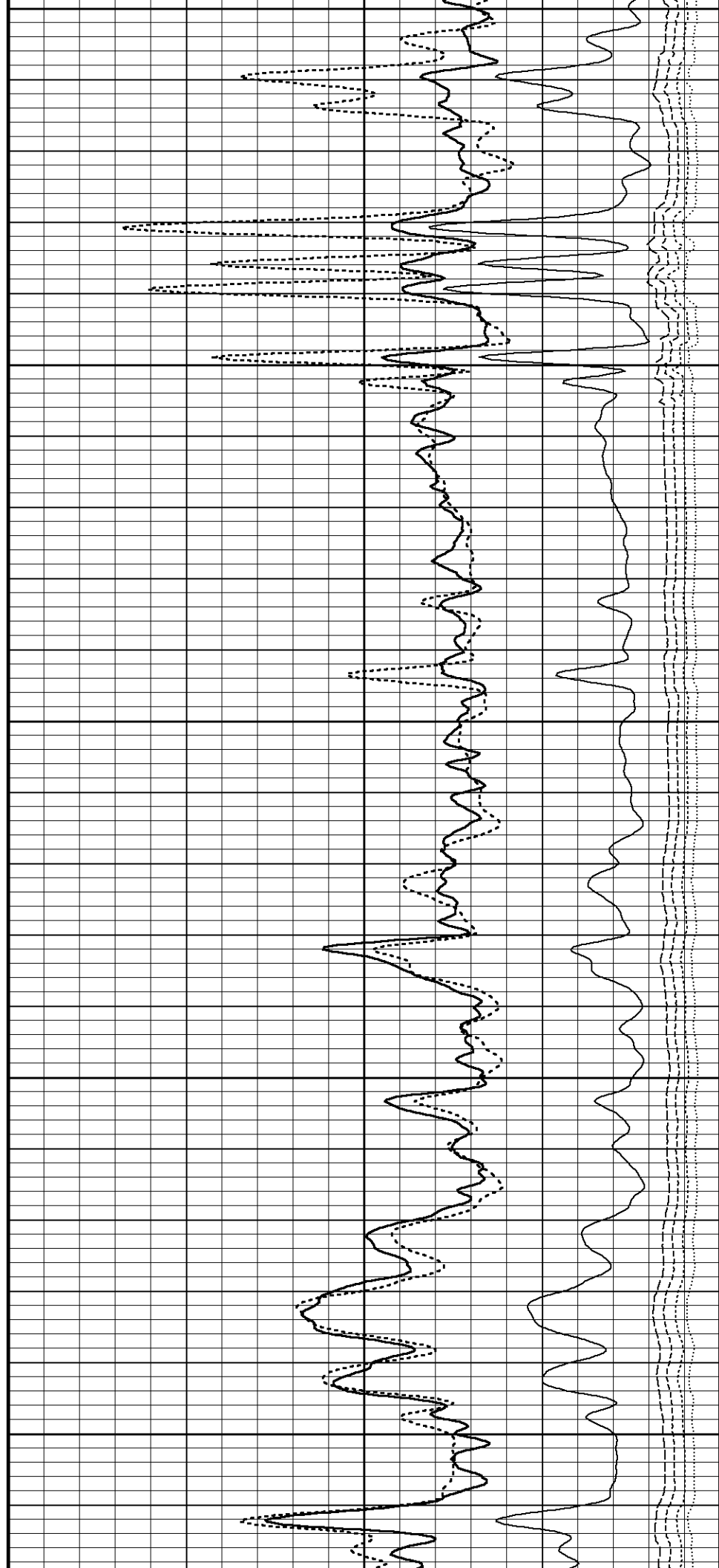
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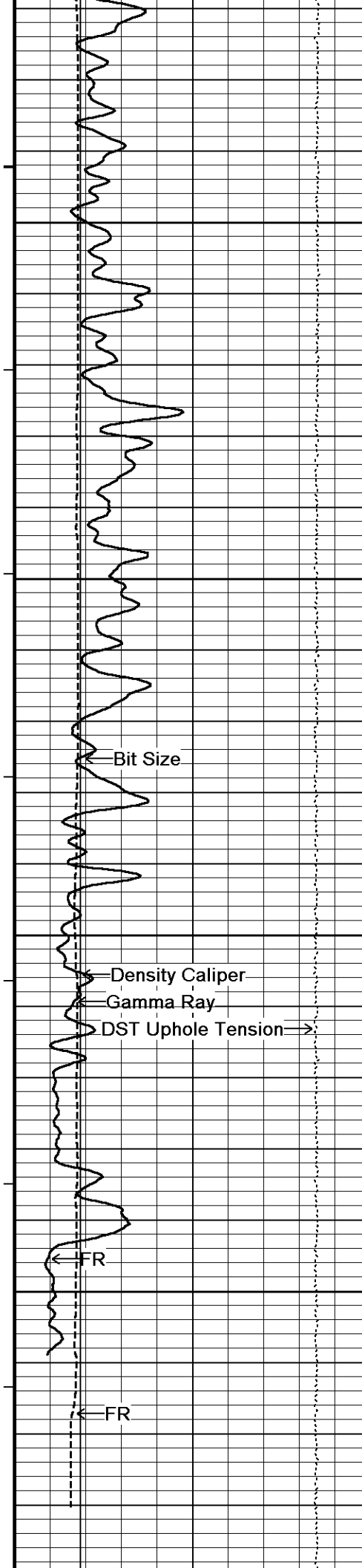
113°

5200

114°

5250





115°

5300

115°

5350

115°

5400

115°

5450

Bit Size

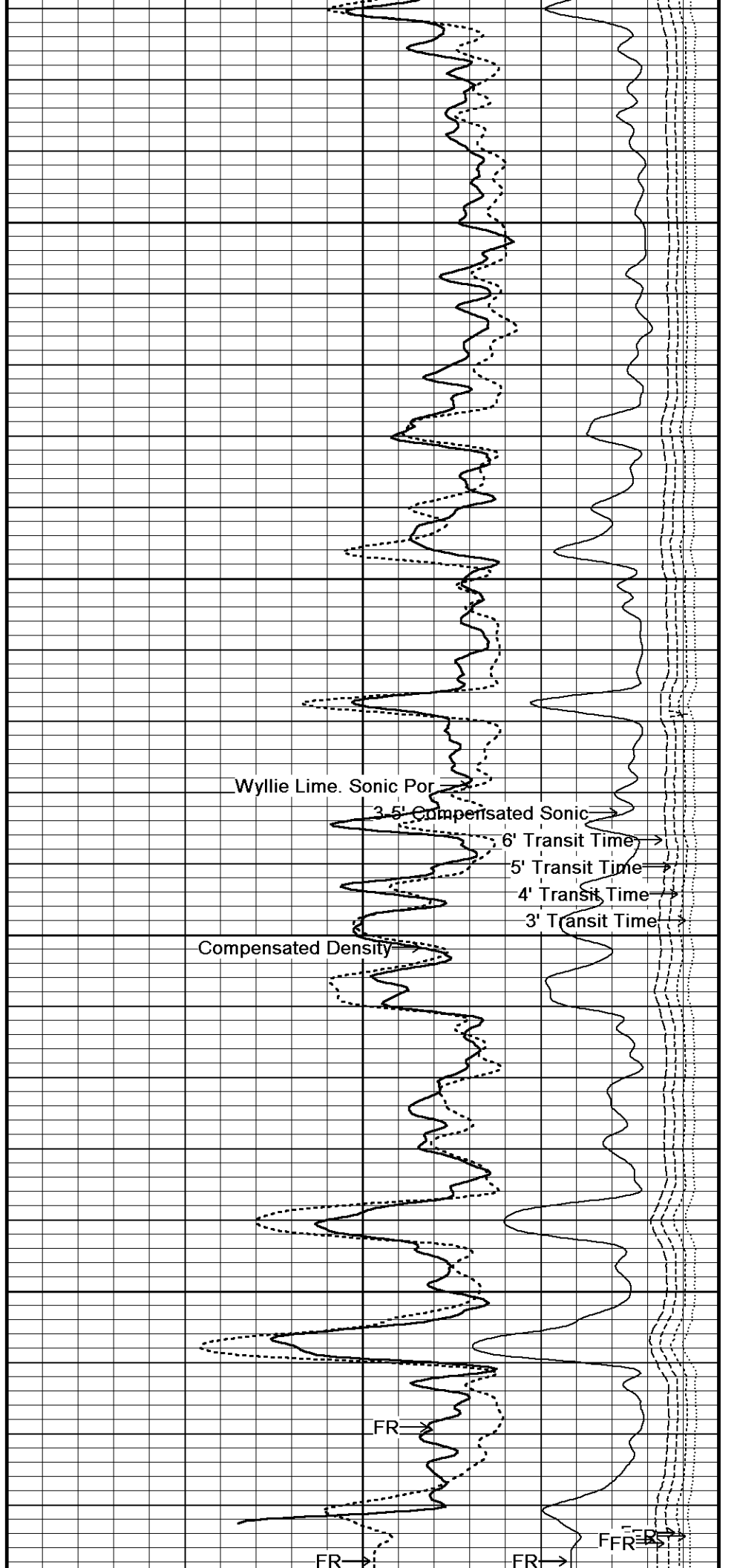
Density Caliper

Gamma Ray

DST Uphole Tension

FR

FR



Wyllie Lime. Sonic Por

3' 5' Compensated Sonic

6' Transit Time

5' Transit Time

4' Transit Time

3' Transit Time

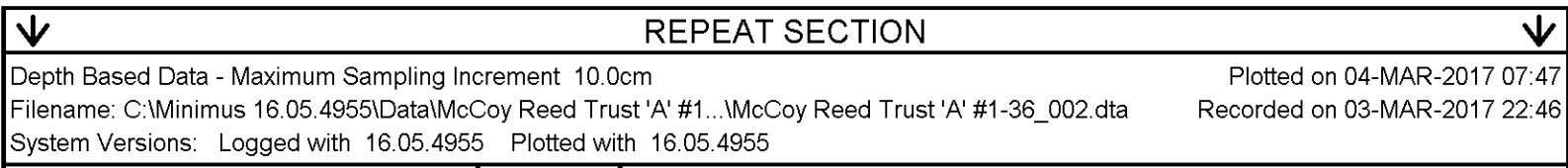
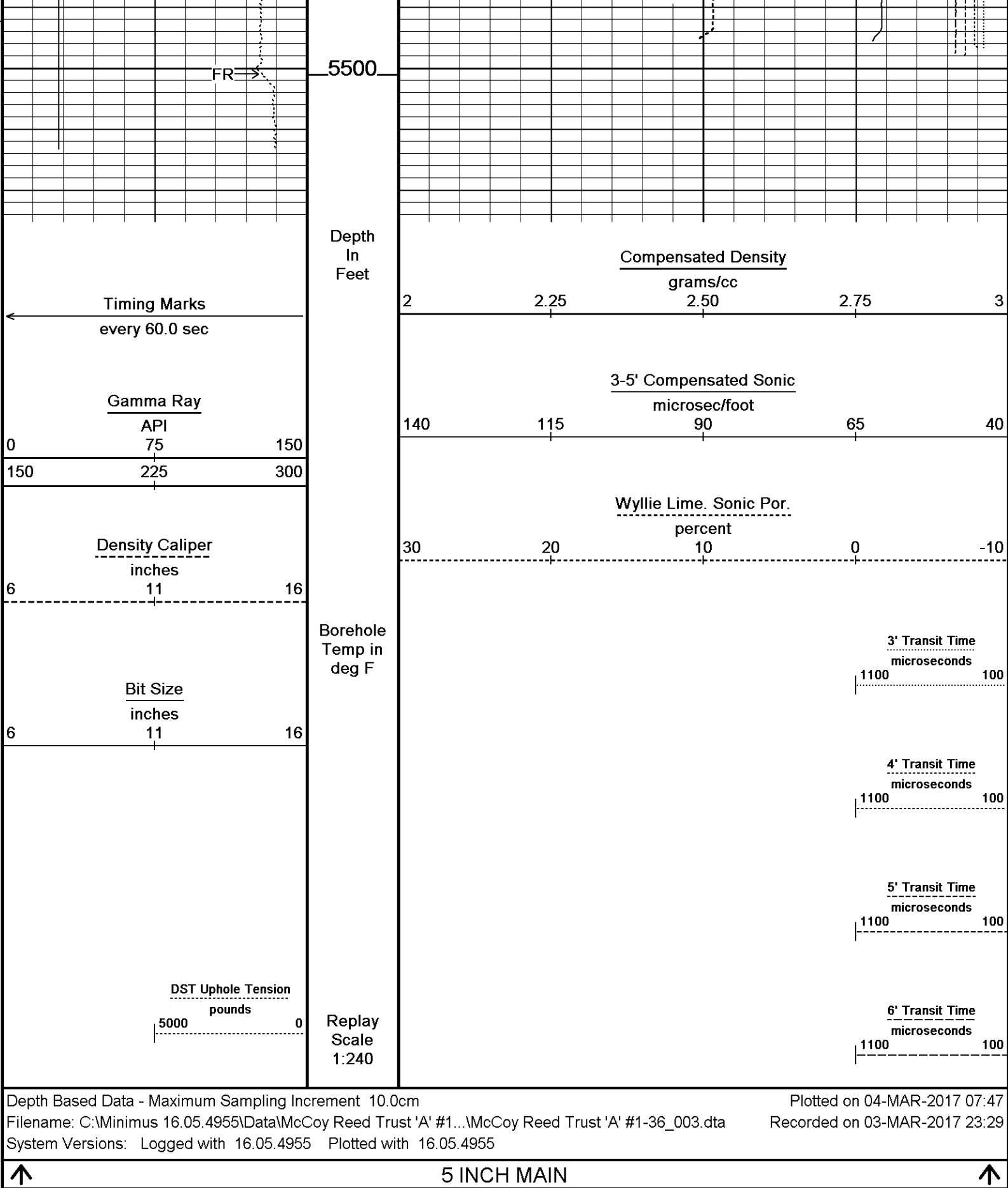
Compensated Density

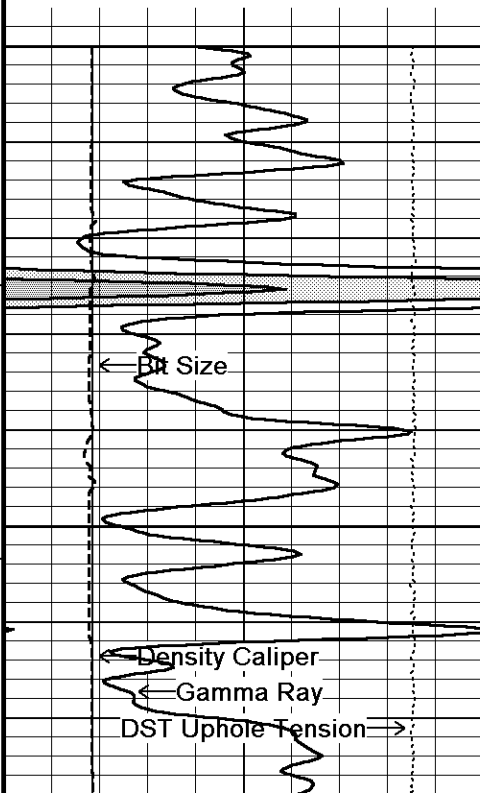
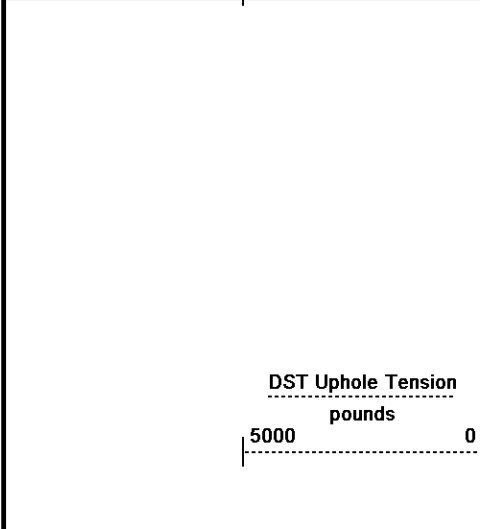
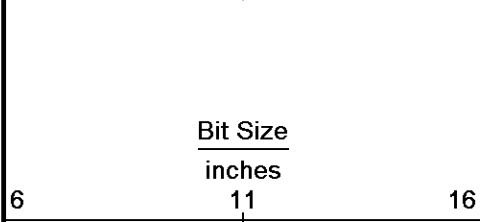
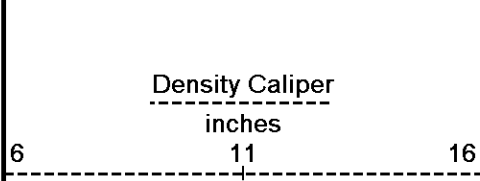
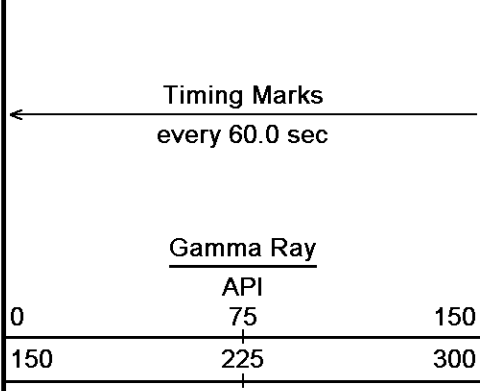
FR

FR

FR

FFR





in
Feet

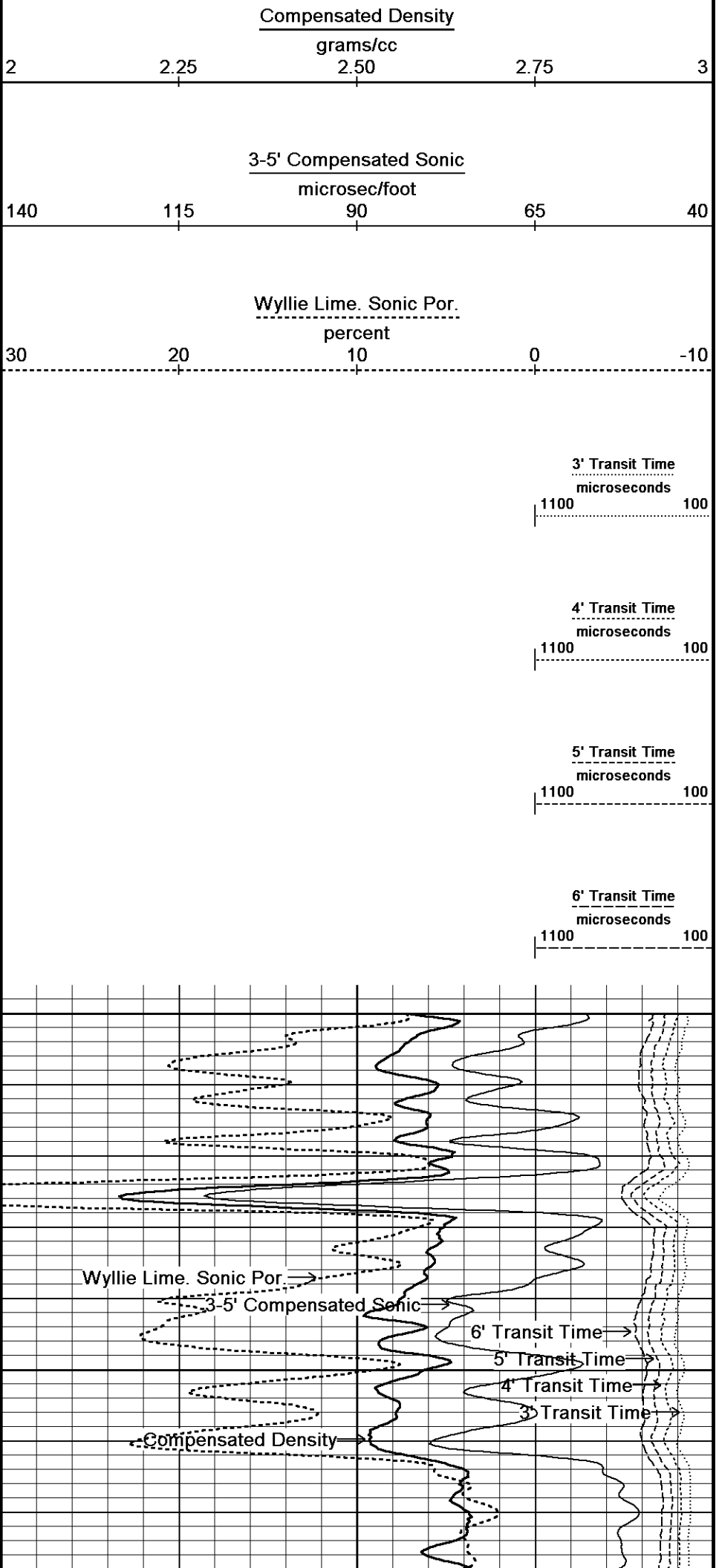
Borehole
Temp in
deg F

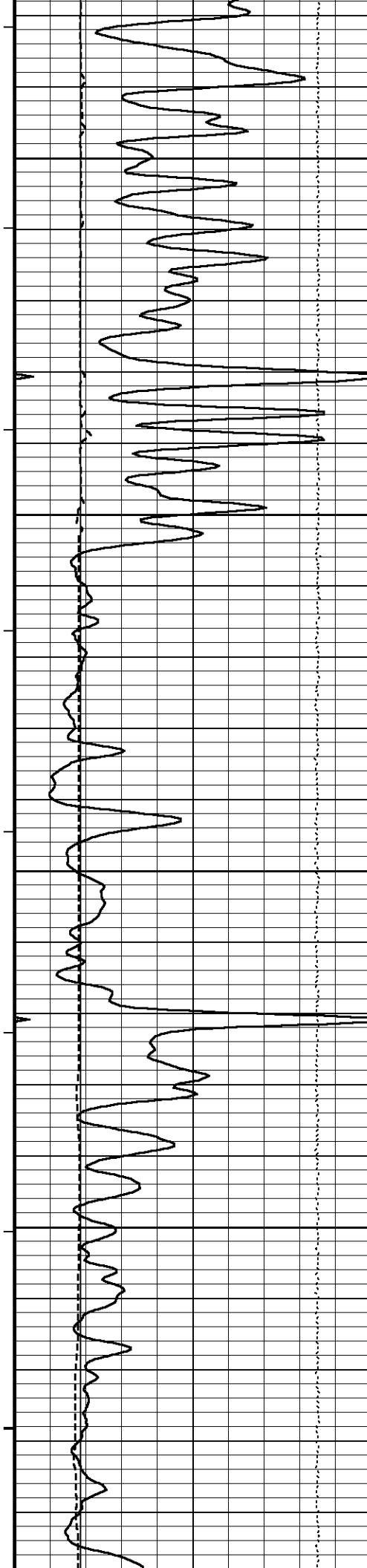
Replay
Scale
1:240

4950

110°

5000





110°

5050

111°

5100

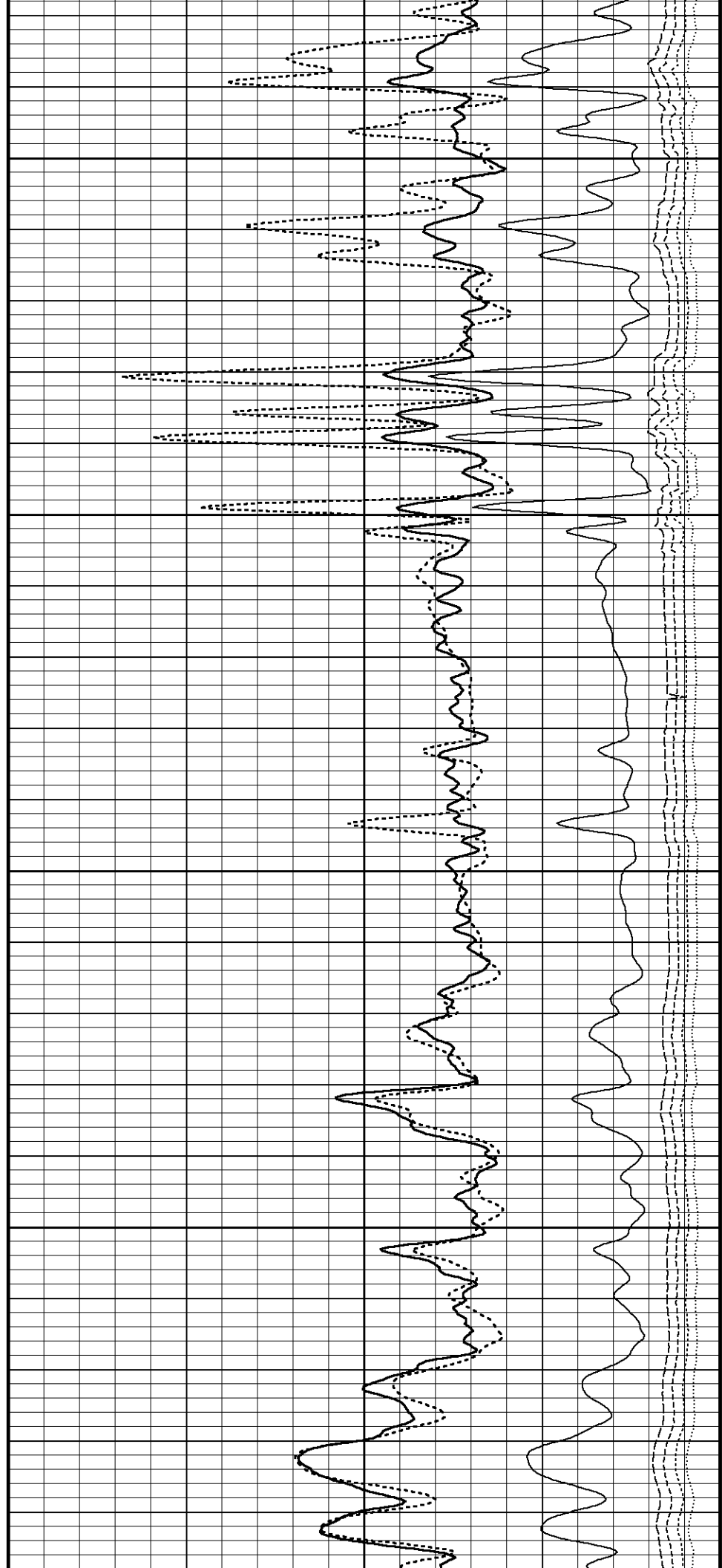
111°

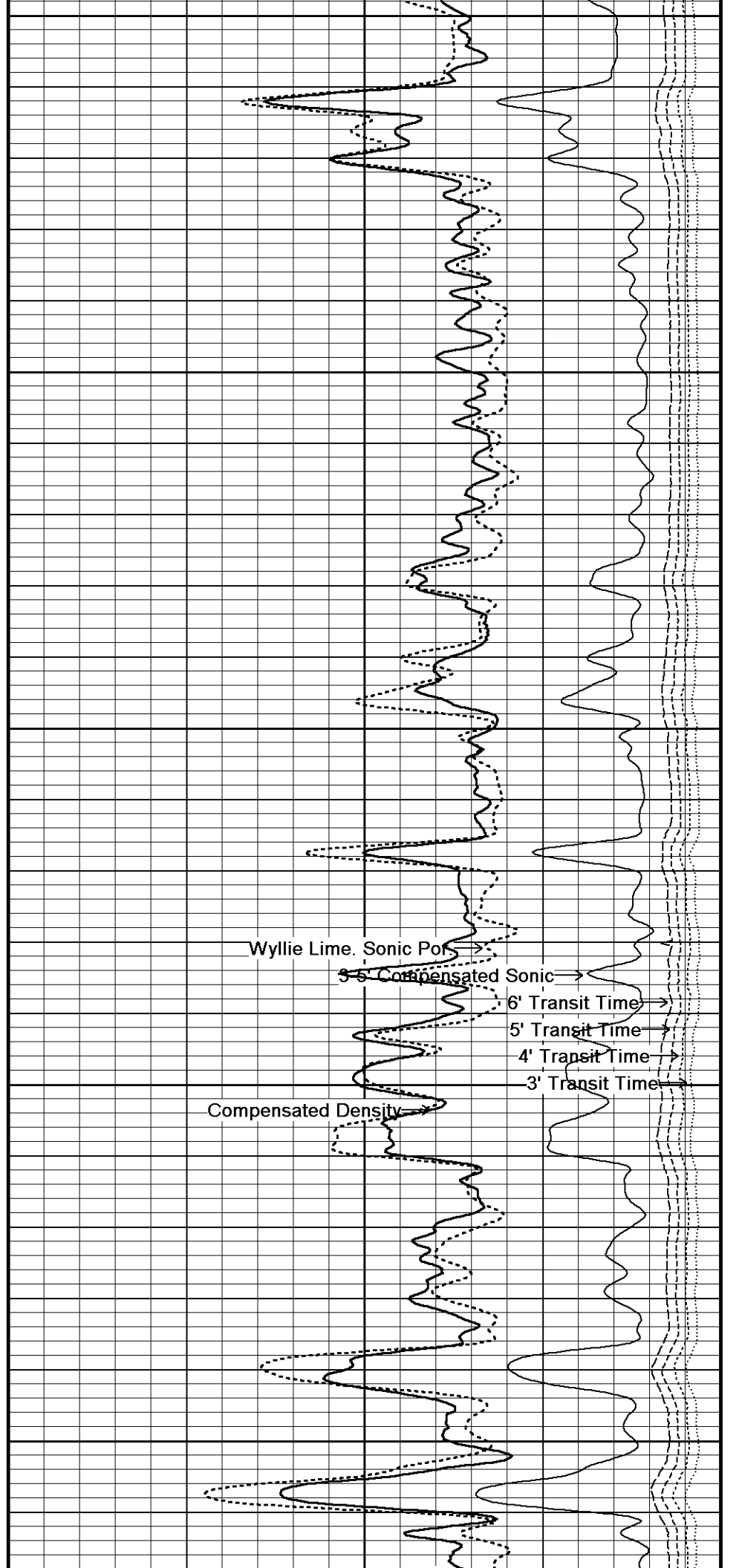
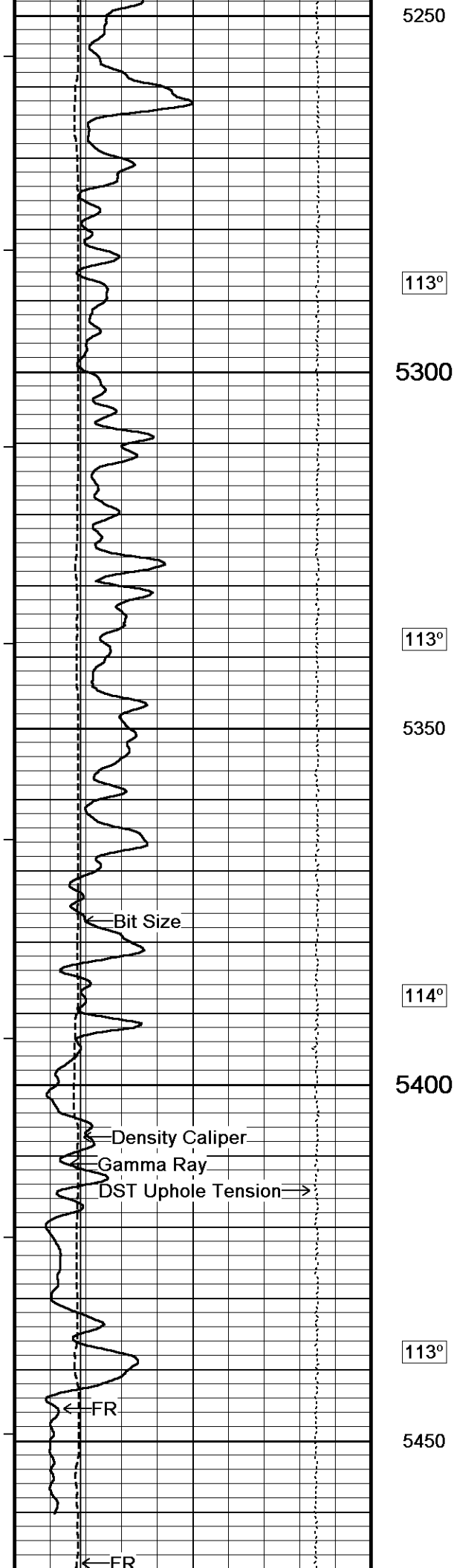
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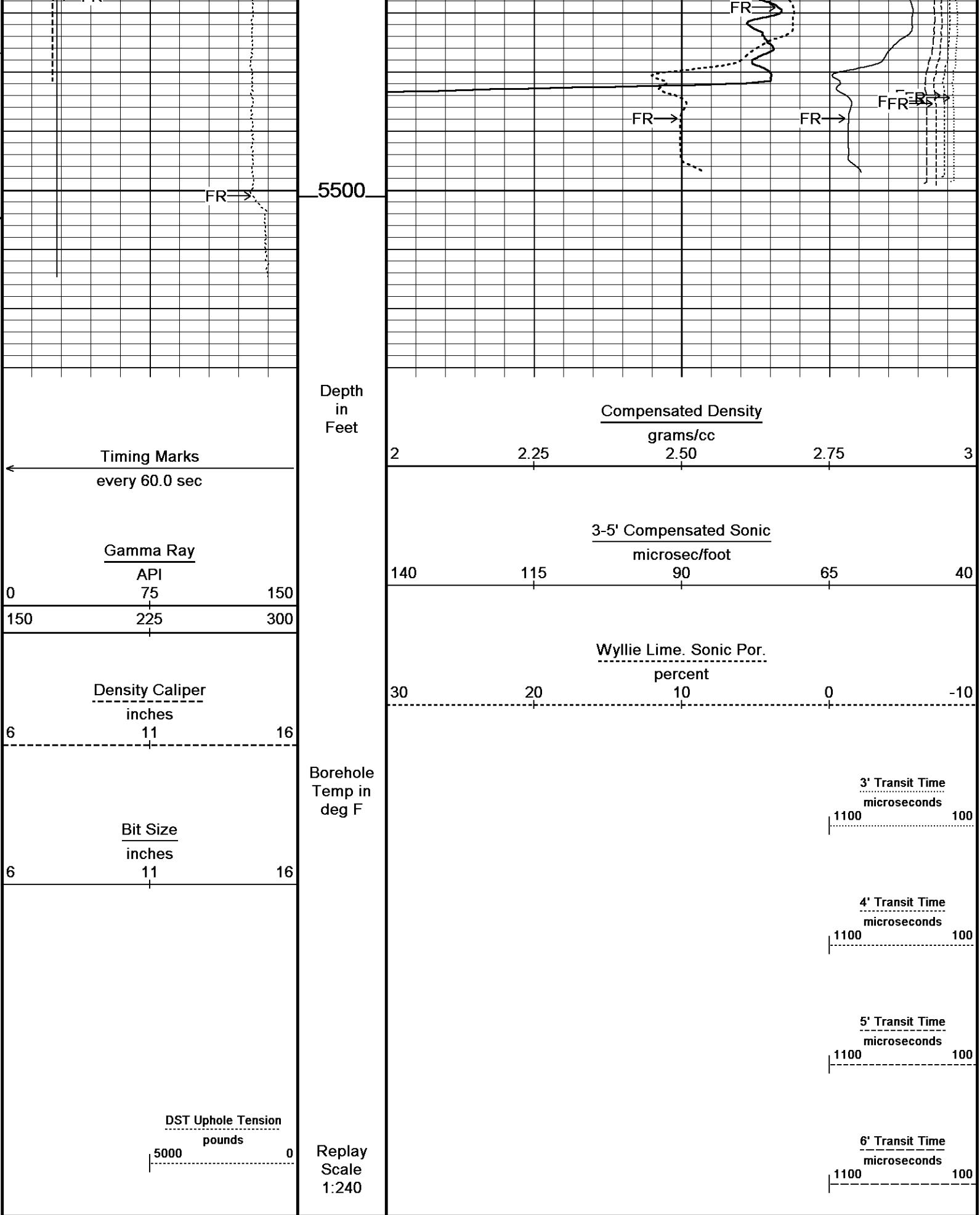
111°

5200

112°







BEFORE SURVEY CALIBRATION

C:\Minimus 16.05.4955\Data\McCoy Reed Trust 'A' #1-36\McCoy Reed Trust 'A' #1-36_002.dta

General Constants All 000

Last Edited on 03-MAR-2017,22:06

General Parameters

Mud Resistivity	0.990	ohm-metres
Mud Resistivity Temperature	75.000	degrees F
Water Level	0.000	feet
Borehole Fluid Processing	Wet Hole	

Hole/Annular Volume and Differential Caliper Parameters

HVOL Method	Single Caliper	
HVOL Caliper 1	Density Caliper	
HVOL Caliper 2	N/A	
Annular Volume Diameter	4.500	inches
Caliper for Differential Caliper	None	

Rwa Parameters

Porosity used	Base Density Porosity
Resistivity used	Array Ind. One Res Rt
RWA Constant A	0.620
RWA Constant M	2.150
SW/APOR Tool Source	0.000

Down-hole Tension Calibration SMS 0

Field Calibration on 16-FEB-2017 01:57

Reading No	Measured	Calibrated (lbs)
1	493.46	0.00
2	-2294.05	481.00

Gamma Calibration MCG-C 123

Field Calibration on 03-MAR-2017 11:09

	Measured	Calibrated (API)
Background	71	49
Calibrator (Gross)	733	505
Calibrator (Net)	662	456

Gamma Calibration Tolerances MCG-C 123

Ratio	1.452	1.40 1.475 1.55	Counts/API
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Gamma Constants MCG-C 123

Last Edited on 03-MAR-2017,20:51

Gamma Calibrator Number	MCGGRCC141	
GRC-M Calibrator Jig in Use?	NO	
Inactive Background Jig in Use?	NO	
Mud Density	1.09	gm/cc
Caliper Source for Processing	Density Caliper	
Tool Position	Eccentred	
Potassium Equivalence	Chloride	
K Mud Concentration	0.00	%

High Resolution Temperature Calibration MCG-C 123

Field Calibration on 11-FEB-2017,15:04

	Measured	Calibrated(Deg F)
Lower	50.00	50.00
Upper	100.00	100.00

High Resolution Temperature Constants MCG-C 123

Last Edited on 22-SEP-2015,11:43

Pre-filter Length	11
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SP Calibration MCG-C 123

Field Calibration on 03-MAR-2017,11:10

	Measured	Calibrated (mV)
Reference 1	100.9	100.0
Reference 2	-99.4	-99.9

Caliper Calibration MML-A 7

Base Calibration on 11-FEB-2017 10:20

Field Calibration on 03-MAR-2017 10:40

Base Calibration

Reading No

Measured

Calibrator Size (in)

1	14066	5.98
2	17366	7.97
3	20600	9.86
4	24449	11.92
5	0	0.00
6	N/A	N/A

Field Calibration

Measured Caliper (in)

Actual Caliper (in)

7.99

7.97

Caliper Calibration Tolerances MML-A 7

Short Arm Field Cal. 7.99  in

Micro Normal and Micro Inverse Calibration MML-A 7

Base Calibration on 11-FEB-2017 10:26

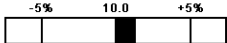
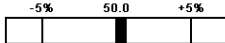
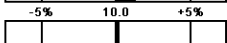
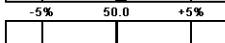
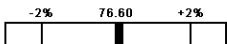
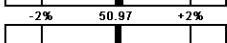
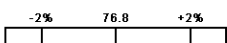
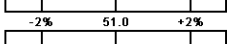
Field Check on 03-MAR-2017 10:51

Base Calibration

Channel	Measured		Calibrated (ohm-m)	
	Resistor 1	Resistor 2	Resistor 1	Resistor 2
Micro Normal	10.1	50.4	5.1	25.6
Micro Inverse	10.0	50.1	3.4	16.9

Channel	Base Check (ohm-m)	Field Check (ohm-m)
Micro Normal	76.8	76.8
Micro Inverse	51.0	51.0

Micro Normal & Micro Inverse Calibration Tolerance MML-A 7

Micro Normal Res. 1	10.1		ohm	Micro Normal Res. 2	50.4		ohm
Micro Inverse Res. 1	10.0		ohm	Micro Inverse Res. 2	50.1		ohm
Micro Normal Base Check	76.8		ohm-m				
Micro Inverse Base Check	51.0		ohm-m				
Micro Normal Field Check	76.8		ohm-m				
Micro Inverse Field Check	51.0		ohm-m				

Micro Normal and Micro Inverse Constants MML-A 7

Last Edited on 03-MAR-2017,20:50

Pad Type	8-12 in Soft Rubber Inflatable 006-9011-159
Micro Normal K Factor	0.5110
Micro Inverse K Factor	0.3380
Standoff Offset	N/A inches

Neutron Calibration MDN-A.B 66

Base Calibration on 11-FEB-2017,10:45

Field Check on 03-MAR-2017 11:14

Base Calibration

Ratio	Measured		Calibrated (cps)	
	Near	Far	Near	Far
	3031	94	3714	110
	32.309		33.764	

Field Calibrator at Base

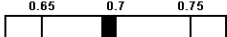
Ratio	Calibrated (cps)
	2092 3032
	0.690

Field Check

Ratio	Calibrated (cps)
	2196 3136
	0.700

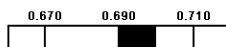
Neutron Calibration Tolerances MDN-A.B 66

Ratio 32.309 

Base Check 0.690 

Field Check

0.700



Neutron Constants MDN-A.B 66

Last Edited on 03-MAR-2017,20:50

Neutron Source Id	P0204NN	
Neutron Jig Number	NJ5736	
Air Hole Processing	Legacy	
Caliper Source for Processing	Density Caliper	
Stand-off	0.00	inches
Mud Density	1.00	gm/cc
Limestone Sigma	7.10	cu
Sandstone Sigma	4.26	cu
Dolomite Sigma	4.70	cu
Formation Pressure Source	None	
Formation Pressure	N/A	kpsi
Temperature Source	Constant Value	
Temperature	68.00	degrees F
Mud Salinity	0.00	kppm
Salinity Correction	Not Applied	
Formation Fluid Salinity Source	None	
Formation Fluid Salinity	N/A	kppm
Barite Mud Correction	Not Applied	

FE Calibration MFE-B.J 352

Base Calibration on 11-FEB-2017 10:10

Field Check on 03-MAR-2017 10:39

Base Calibration

Measured Calibrated (ohm-m)

Reference 1 0.0 0.0

Reference 2 993.6 126.8

Base Check 272.8

Field Check 272.9

FE Calibration Tolerances MFE-B.J 352

Reference 2	993.6		ohm
Base Check	272.8		ohm-m
Field Check	272.9		ohm-m

FE Constants MFE-B.J 352

Last Edited on 03-MAR-2017,20:50

Running Mode	No Sleeve	
MFE K Factor	0.1268	
Borehole Correction Constants		
Sonde Position	0.5	inches
Hole Size Source	Density Caliper	
Hole Size Constant Value	N/A	inches
Rm Source	Global Value: Temperature Corrected	
Temp. for Rm Corr.	MCG External Temperature	

Sonic Constants MSS-A.A 55

Last Edited on 03-MAR-2017,20:49

Maximum Boundary Contrast	100.00	micro-sec/ft
Fluid Transit Time	189.00	micro-sec/ft
Limestone Transit Time	47.50	micro-sec/ft
Sandstone Transit Time	55.50	micro-sec/ft
Dolomite Transit Time	43.50	micro-sec/ft
Sonic used for Porosities	3-5' Compensated Sonic	
Correction for Sonde Skew	Applied	
Cycle Stretch Algorithm	Applied	
MN3FT	N/A	micro-sec
MX3FT	N/A	micro-sec
Hunt-Raymer Constant	83.13	micro-sec/ft

Sonde Mode Compensated

Hole Type

Open Hole

Sonde Parameters

	Measured	Calibrated			
Offset	N/A	0.0000			
Free Pipe	N/A	N/A			
Peak Amplitude Source		N/A			
Waveform	Start Time (micro-sec)	Width (micro-sec)	Pre Gain	Start Gain	Discriminator (mV)
3'	N/A	N/A	N/A	N/A	N/A
4'	N/A	N/A	N/A	N/A	N/A
5'	N/A	N/A	N/A	N/A	N/A
6'	N/A	N/A	N/A	N/A	N/A

Processed Fixed Gate Parameters

Waveform Used For Processing	N/A			
Start Time (micro-sec)	End Time (micro-sec)	Discriminator (mV)	N/A	
N/A	N/A	N/A		
N/A	N/A	N/A	N/A	
N/A	N/A	N/A	N/A	
N/A	N/A	N/A	N/A	
N/A	N/A	N/A	N/A	

Full Waveform Parameters

Use 3' Waveform to derive TR	N/A	
Use 4' Waveform to derive TR	N/A	
Use 5' Waveform to derive TR	N/A	
Use 6' Waveform to derive TR	N/A	
3' Waveform Discriminator Level	N/A	mV
4' Waveform Discriminator Level	N/A	mV
5' Waveform Discriminator Level	N/A	mV
6' Waveform Discriminator Level	N/A	mV
Waveform Discriminator Filter	N/A	
Semblance Window Width	N/A	micro-sec
Sonic Despiker	N/A	N/A

Induction Calibration MAI-A.A 111

Base Calibration on 11-FEB-2017,10:02
Field Check on 03-MAR-2017 10:38

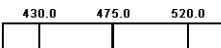
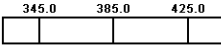
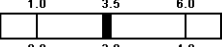
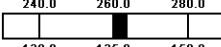
Base Calibration

Test Loop Calibration	Measured		Calibrated (mmho/m)	
Channel	Low	High	Low	High
1	17.6	473.6	9.3	966.2
2	6.4	385.9	7.6	821.4
3	3.2	264.0	5.2	566.0
4	2.1	135.5	2.6	279.2
Array Temperature	23.0		Deg F	

Test Loop Calibration Verified 03-DEC-2016,14:48

Channel	Base Check (mmho/m)		Field Check (mmho/m)	
	Low	High	Low	High
1	10.6	3867.8	9.7	3865.8
2	29.4	3524.5	27.5	3522.1
3	28.8	3018.5	27.1	3016.5
4	19.0	2056.6	17.8	2055.0
Deep	17.5	1960.2	16.4	1958.8
Medium	42.9	3973.0	40.5	3970.4
Shallow	43.8	5227.4	41.0	5224.0
Array Temperature	43.0		66.6	Deg F

Induction Calibration Tolerances MAI-A.A 111

Low Conductivity 1	17.6		mmho/m	High Conductivity 1	473.6		mmho/m
Low Conductivity 2	6.4		mmho/m	High Conductivity 2	385.9		mmho/m
Low Conductivity 3	3.2		mmho/m	High Conductivity 3	264.0		mmho/m

Low Conductivity 4	2.1		mmho/m High Conductivity 4	135.5		mmho/m
Background Vx 1	0.0		mmho/m Phase Check Loop 1	0.0		%
Background Vx 2	0.0		mmho/m Phase Check Loop 2	0.0		%
Background Vx 3	0.0		mmho/m Phase Check Loop 3	0.0		%
Background Vx 4	0.0		mmho/m Phase Check Loop 4	0.0		%

Induction Constants MAI-A.A 111	Last Edited on 03-MAR-2017,20:49
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Induction Model		RtAP-WBM	
Borehole Correction Constants			
Tool Centred		No	
Hole Size Source		Density Caliper	
Hole Size Constant Value		N/A	inches
Stand-off Type		Fins	
Stand-off		0.50	inches
Number of Fins on Stand-off		8.0000	
Stand-off Fin Angle		45.00	degrees
Stand-off Fin Width		0.5000	inches
Rm Source	Global Value: Temperature Corrected		
Temp. for Rm Corr.	MCG External Temperature		
Squasher Start		0.0020	mhos/metre
Squasher Offset		N/A	mhos/metre
Borehole Normalisation			
DRM1	0.0000	DRC1	0.0000
DRM2	0.0000	DRC2	0.0000
MRM1	0.0000	MRC1	0.0000
MRM2	0.0000	MRC2	0.0000
SRM1	0.0000	SRC1	0.0000
SRM2	0.0000	SRC2	0.0000
Calibration Site Corrections			
Channel 1		0.00	mmhos/metre
Channel 2		0.00	mmhos/metre
Channel 3		0.00	mmhos/metre
Channel 4		0.00	mmhos/metre
Symmetrised Receiver Gains			
Receiver 1		1.00	
Receiver 2		1.00	
Receiver 3		1.00	
Receiver 4		1.00	
Apparent Porosity and Water Saturation Constants			
Archie Constant (A)		1.00	
Cementation Exponent (M)		2.00	
Saturation Exponent (N)		2.00	
Saturation of Water for Apor		100.00	percent
Resistivity of Water for Apor and Sw		0.05	ohm-m
Resistivity of Mud Filtrate for Sw		0.00	ohm-m
Source for Rt		0.00	
Source for Rxo		0.00	

High Resolution Temperature Calibration MAI-A.A 111	Field Calibration on 13-JAN-2017,11:28
	Measured Calibrated(Deg F)
Lower	10.00 10.00
Upper	100.00 100.00

High Resolution Temperature Constants MAI-A.A 111	Last Edited on 26-JUN-2014,15:06
Pre-filter Length	11

Photo Density Calibration MPD-B 104	Base Calibration on 11-FEB-2017 11:11
	Field Check on 03-MAR-2017 10:47
Density Calibration	
Base Calibration	Measured Calibrated (sdu)
	Near Far Near Far

Background	1135	1314		
Reference 1	49907	23891	59556	30836
Reference 2	20183	2416	24941	2541

Field Check at Base
1135.4 1313.9

Field Check
1126.0 1310.0

PE Calibration

Base Calibration	Measured	Calibrated
WS	WH	Ratio
Background	206	1011
Reference 1	21020	49728
Reference 2	5897	20051
		Ratio
		0.427
		0.299
		0.371
		0.272

Field Check at Base
205.9 1011.5

Field Check
207.5 1002.6

Photo Density Calibration Tolerances MPD-B 104

Near Density Ratio 2.56
PE Calibration 0.120

Far Density Ratio 20.48

Near Den. Field Check 1126.0
PE WS Field Check 207.5

Far Den. Field Check 1310.0
PE WH Field Check 1002.6

Density Constants MPD-B 104

Last Edited on 03-MAR-2017,20:50

Density Source Id P50557B
Nylon Calibrator Number DNCE695
Aluminium Calibrator Number DACD698
Density Shoe Profile 8 inch
Caliper Source for Processing Density Caliper
PE Correction to Density Not Applied
Mud Density 1.09 gm/cc
Mud Density Z/A Multiplier 1.11
Mud Filtrate Density 1.00 gm/cc
Dry Hole Mud Filtrate Density 1.00 gm/cc
DNCT 0.00 gm/cc
CRCT 0.00 gm/cc
Density Z/A Correction Hybrid
Precision Enhanced Density Processing Not Applied

Matrix Density (gm/cc)	Depth (ft)
2.71	0.00
0.00	0.00
0.00	0.00
0.00	0.00
0.00	0.00
0.00	0.00
0.00	0.00
0.00	0.00

Caliper Calibration MPD-B 104

Base Calibration on 11-FEB-2017 10:55
Field Calibration on 03-MAR-2017 10:42

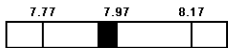
Base Calibration	Measured	Calibrator Size (in)
Reading No		
1	14696	3.99
2	23744	5.98
3	32402	7.97
4	40592	9.86
5	49680	11.92
6	N/A	N/A

Field Calibration

Measured Caliper (in)
7.91Actual Caliper (in)
7.97

Caliper Calibration Tolerances MPD-B 104

Short Arm Field Cal.

7.91  in

DOWNHOLE EQUIPMENT

C:\Minimus 16.05.4955\Data\McCoy Reed Trust 'A' #1-36\McCoy Reed Trust 'A' #1-36_002.dta

Cablehead, 11 pin

CBH-C 0 LG: 2.40 ft WT: 24.3 lb OD: 2.244 in

Compact Comms Gamma

MCG-C 123 LG: 8.70 ft WT: 63.9 lb OD: 2.244 in

Compact Micro-log

MML-A 7 LG: 7.97 ft WT: 81.6 lb OD: 2.244 in

Compact Neutron

MDN-A.B 66 LG: 5.04 ft WT: 50.7 lb OD: 2.244 in

Compact Density/Caliper

MPD-B 104 LG: 9.59 ft WT: 90.4 lb OD: 2.449 in

Compact Focussed Electric

MFE-B.J 352 LG: 6.05 ft WT: 48.5 lb OD: 2.244 in

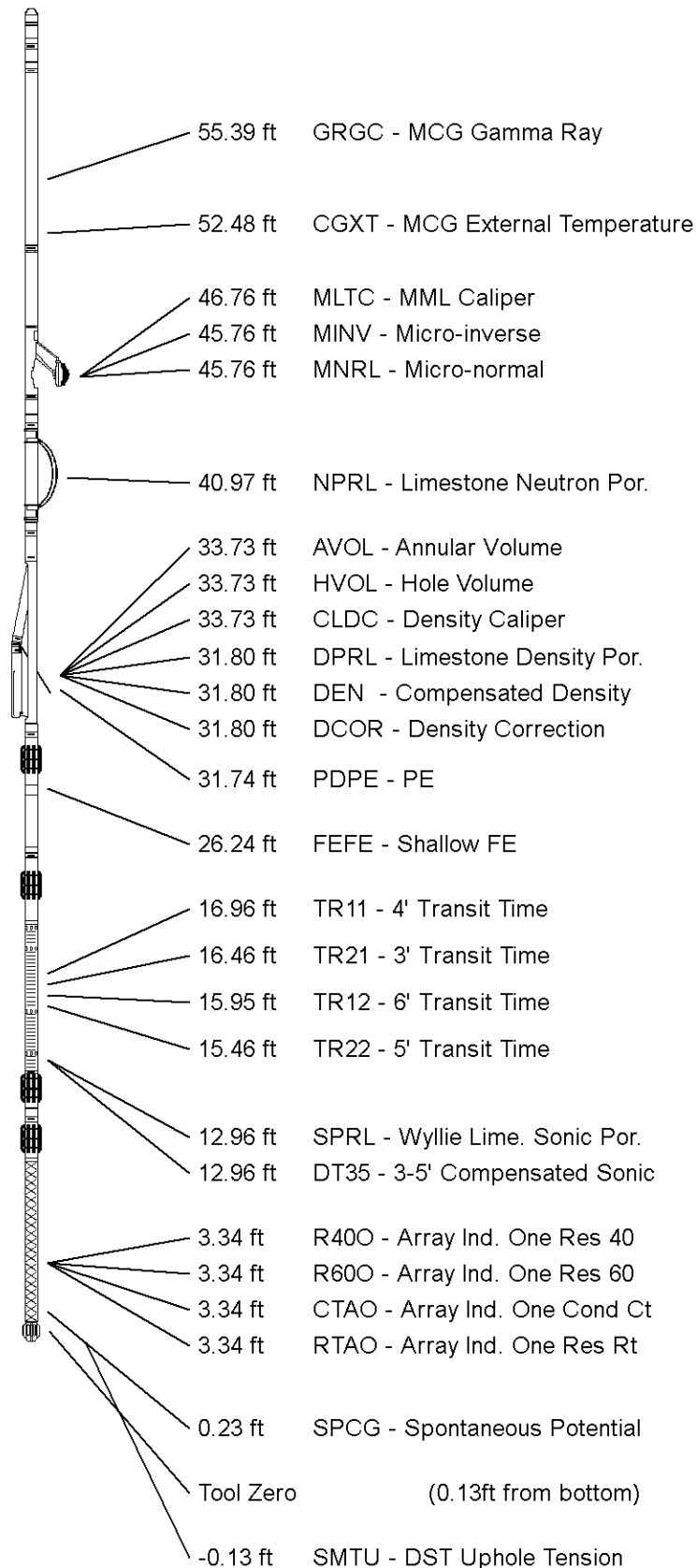
Compact Sonic

MSS-A.A 55 LG: 12.52 ft WT: 72.8 lb OD: 2.244 in

Compact Induction

MAI-A.A 111 LG: 10.81 ft WT: 48.5 lb OD: 2.244 in

Total Length: 63.07 ft Weight: 480.6 lb



COMPANY	McCOY PETROLEUM CORPORATION
WELL	REED TRUST "A" #1-36
FIELD	WILDCAT
PROVINCE/COUNTY	GRAY
COUNTRY/STATE	U.S.A. / KANSAS

Elevation Kelly Bushing	2780	feet	First Reading	5488.00	feet
Elevation Drill Floor	2778	feet	Depth Driller	5500.00	feet
Elevation Ground Level	2769	feet	Depth Logger	5501.00	feet

**Weatherford®**

COMPENSATED SONIC
WITH INTEGRATED TRANSIT TIME