DETAIL SECTION

COMPANY	O'BRIEN RESOURCES, LLC
WELL	SWART 21 #1
FIELD	WILDCAT
PROVINCE/COUNTY	GOVE
COUNTRY/STATE	U.S.A. / KANSAS
LOCATION	879' FNL & 483' FWL NE SW NW NW

SEC	TWP	RGE	Other Services
21	14S	30W	

API Number 15-063-22107
Permit Number

Permanent Datum GL, Elevation 2803 feet
Log Measured From KB
Drilling Measured From KB @ 10 FEET

Elevations:	feet
KB	2813.00
DF	2812.00
GL	2803.00

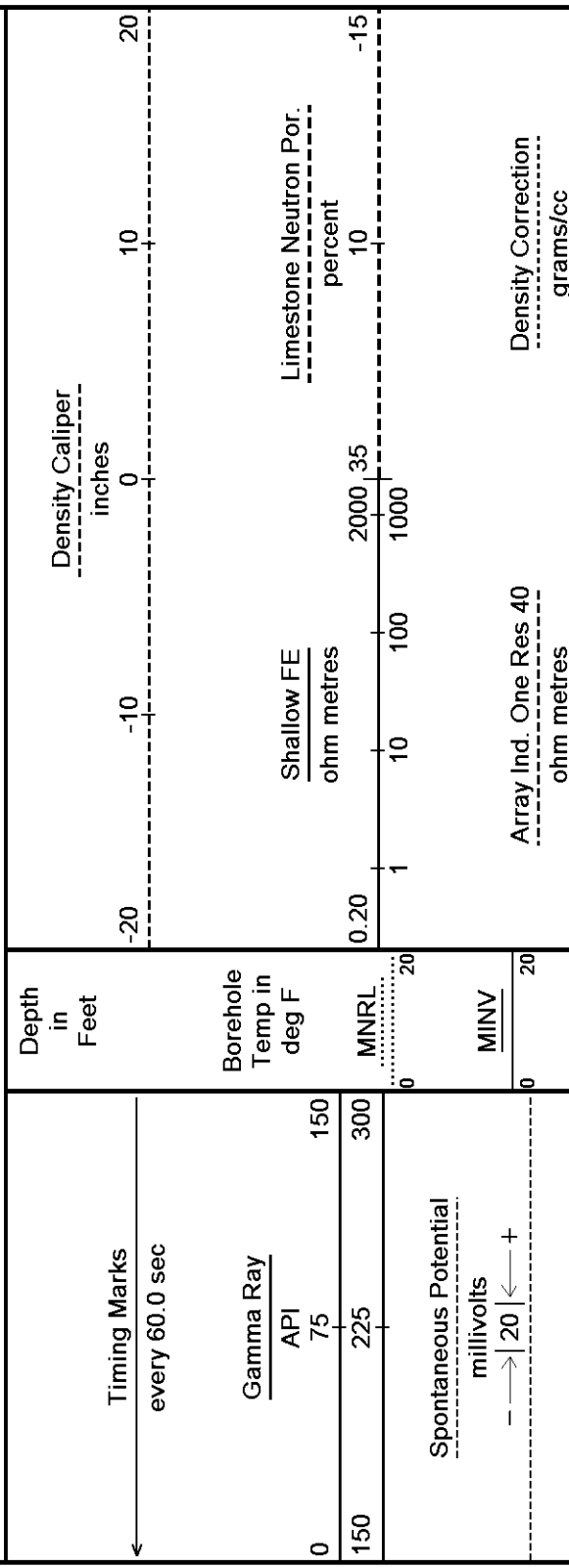
Date	03-JUNE-2013						
Run Number	0NE						
Service Order	3539062						
Depth Driller	4610.00	feet					
Depth Logger	4608.00	feet					
First Reading	4603.00	feet					
Last Reading	3500.00	feet					
Casing Driller	255.00	feet					
Casing Logger	256.00	feet					
Bit Size	7.875	inches					
Hole Fluid Type	CHEMICAL						
Density / Viscosity	9.40	lb/USg	57.00	CP			
PH / Fluid Loss	10.00		8.00	ml/30Min			
Sample Source	FLOWLINE						
Rm @ Measured Temp	1.19 @ 85.0	ohm-m					
Rmf @ Measured Temp	0.96 @ 85.0	ohm-m					
Rmc @ Measured Temp	1.43 @ 85.0	ohm-m					
Source Rmf / Rmc	CALC		CALC				
Rm @ BHT	0.85 @119.0	ohm-m					
Time Since Circulation	4 HOURS						
Max Recorded Temp	119.00	deg F					
Equipment / Base	13057		LIB				
Recorded By	W. STAMBAUGH						
Witnessed By	SEAN DEENIHAN						
JOB #	LIB13-160						

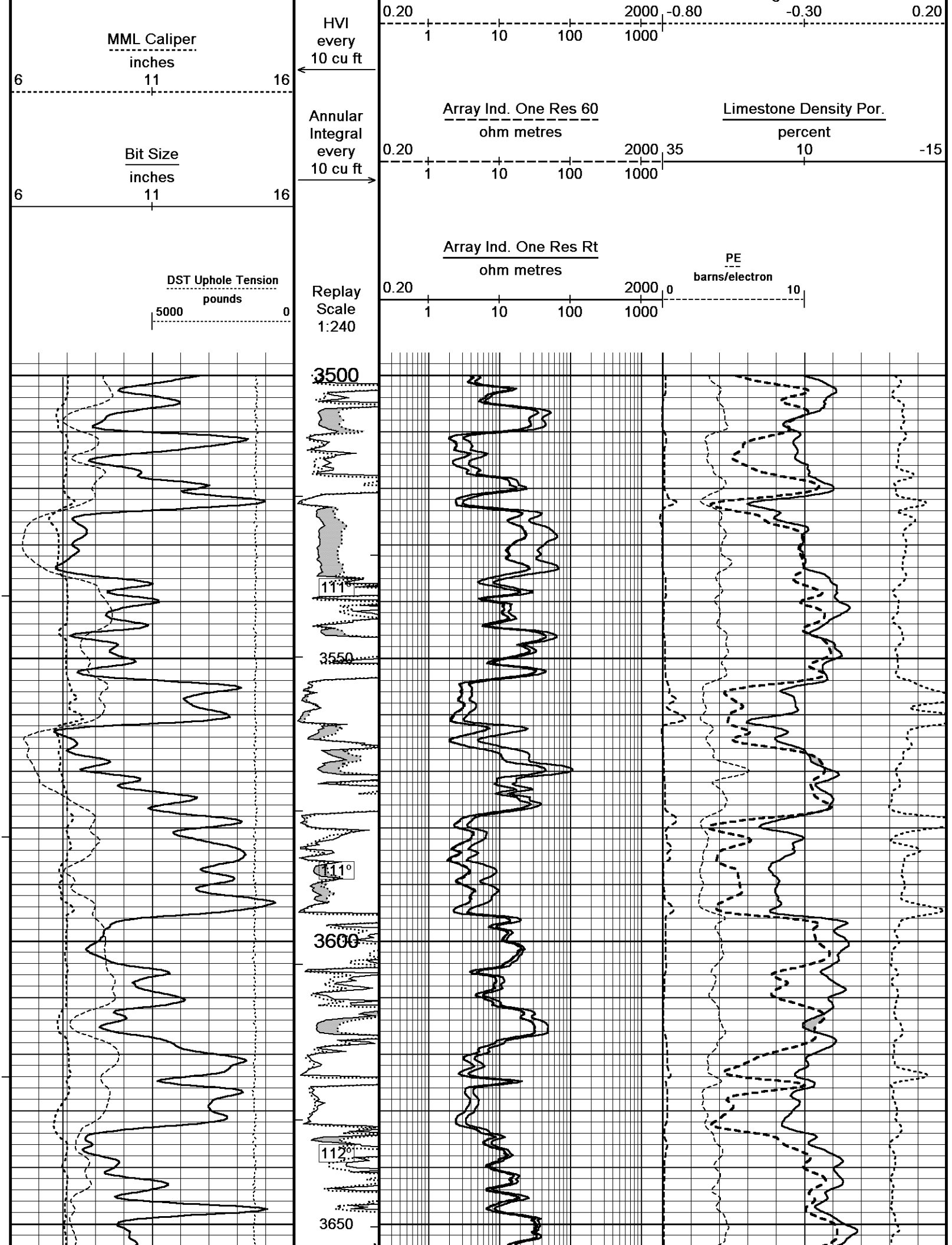
All interpretations are opinions based on inferences from electrical or other measurements and we cannot, and do not, guarantee the accuracy or correctness of any interpretations, and we shall not, except in the case of gross or wilful negligence on our part, be liable or responsible for any loss, costs, 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 in our price schedule.

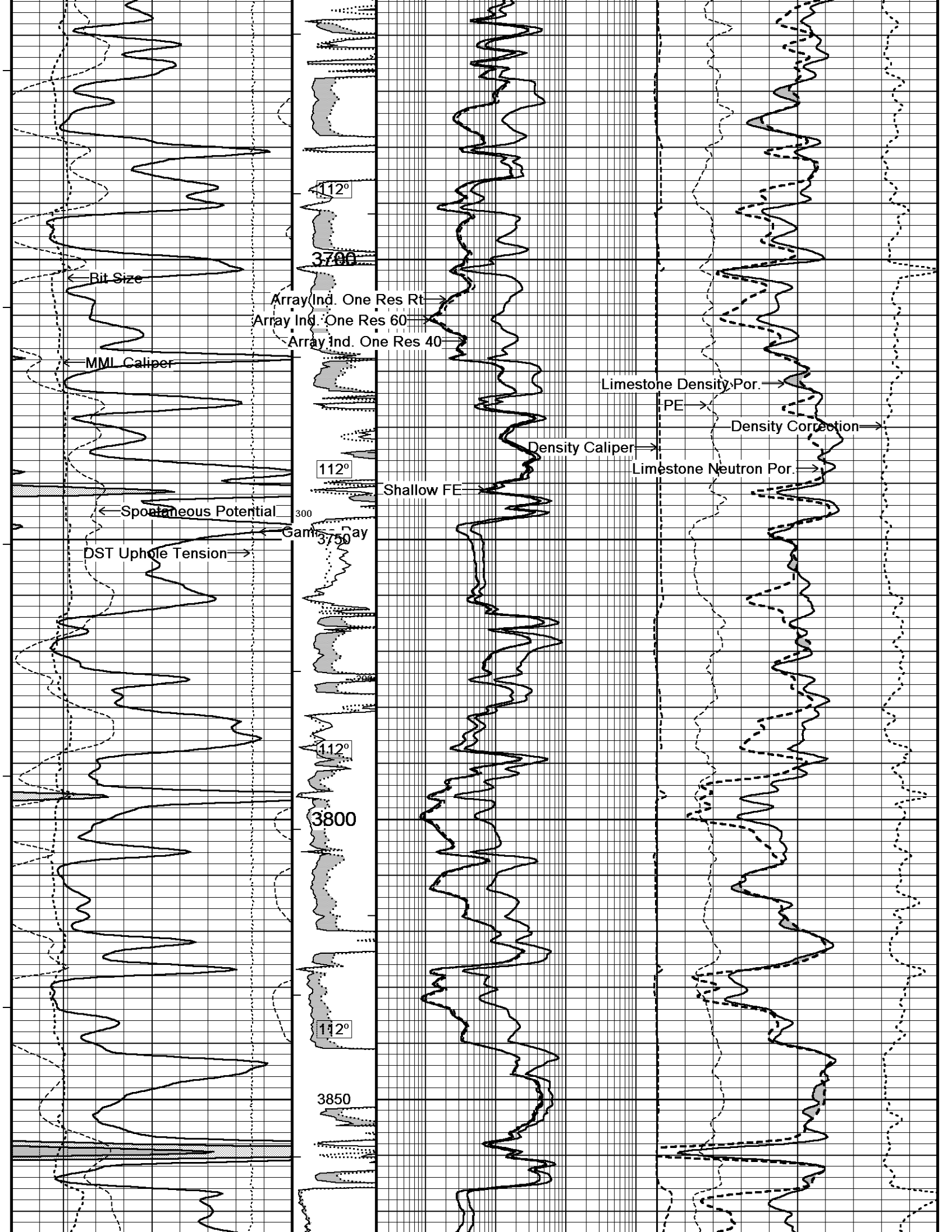
5 INCH MAIN

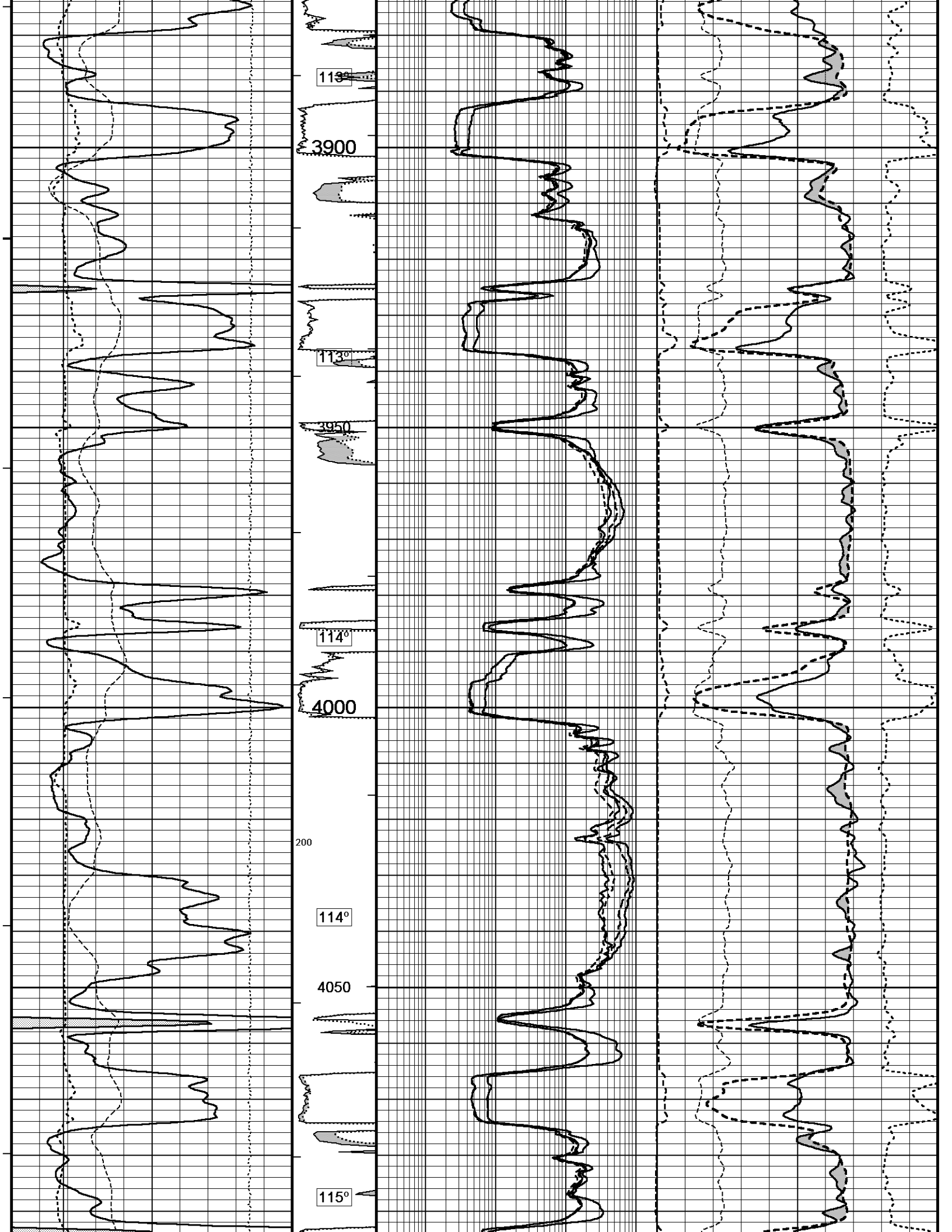
Depth Based Data - Maximum Sampling Increment 10.0cm
Filename: C:\Minimus 13.05.9583\..\OBrien Resources LLC Swart #21-1-001_002 spooled section1.dta
System Versions: Logged with 13.05.9583 Processed with 13.05.9583 Plotted with 13.05.9583

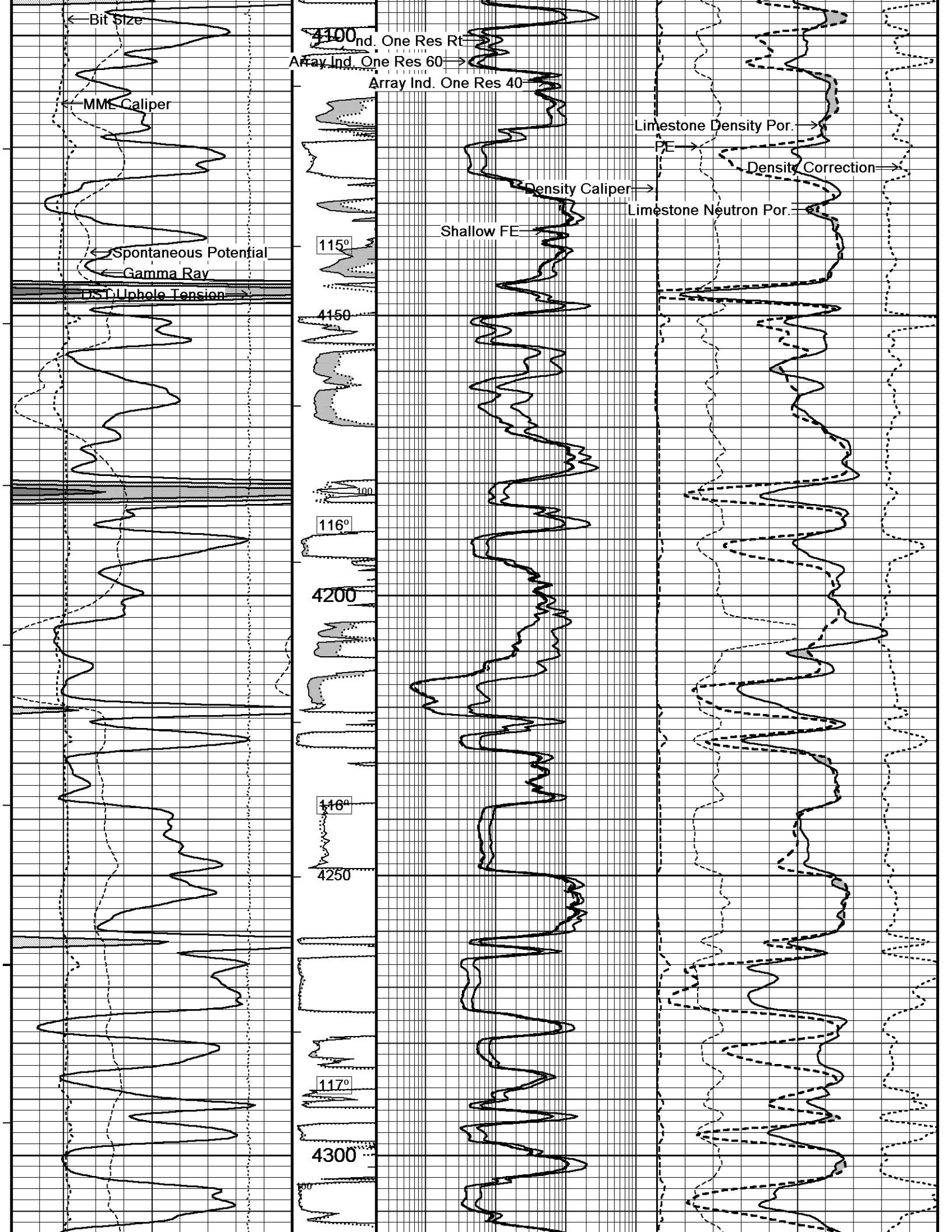
Plotted on 03-JUN-2013 15:59
Recorded on 03-JUN-2013 15:51

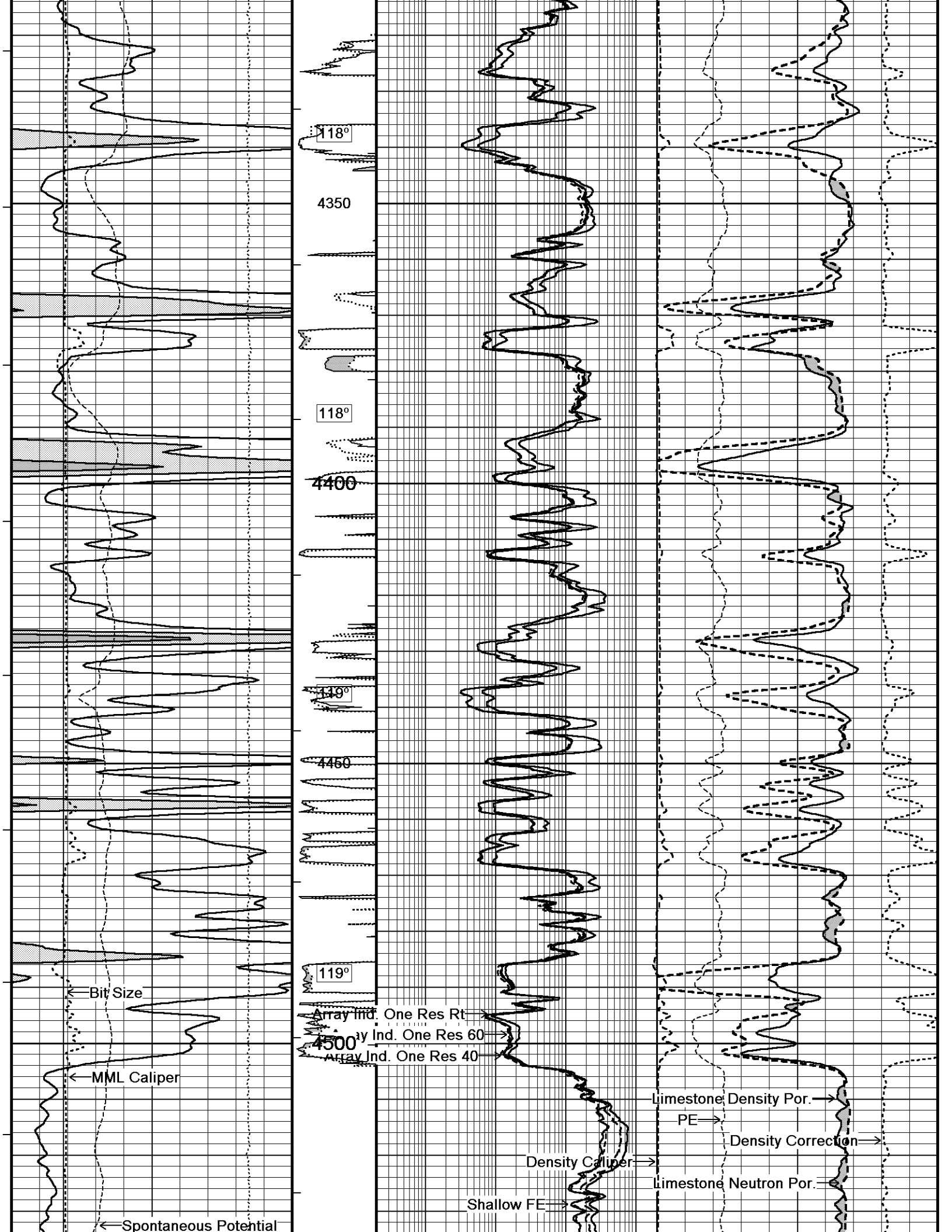


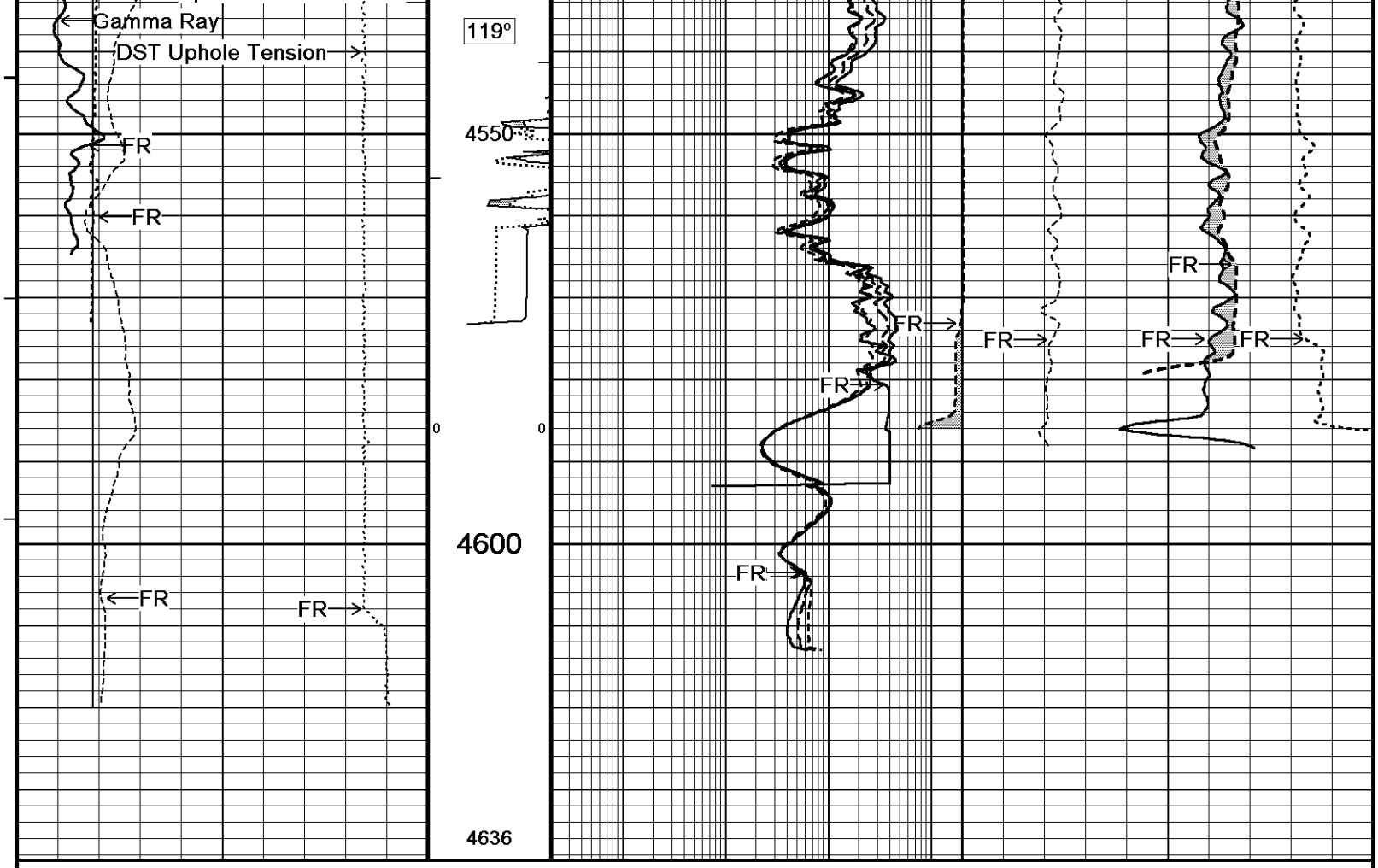

MML Caliper
inches
6
11
16
Bit Size
inches
6
11
16
DST Uphole Tension
pounds
5000
0
HVI
every
10 cu ft
Annular
Integral
every
10 cu ft
Replay
Scale
1:240
0.20
2000
1
10
100
1000
Array Ind. One Res 60
ohm metres
Array Ind. One Res Rt
ohm metres
-0.80
-0.30
0.20
Limestone Density Por.
percent
35
10
-15
PE
barns/electron
0
10
3500
111°
3550
111°
3600
112°
3650


112°
3700
Bit Size
Array Ind. One Res Rt
Array Ind. One Res 60
Array Ind. One Res 40
MML Caliper
Limestone Density Por.
PE
Density Correction
Density Caliper
Limestone Neutron Por.
112°
Shallow FE
Spontaneous Potential
300
Gamma Ray
3750
DST Uphole Tension
200
112°
3800
112°
3850


113°
3900
113°
3950
114°
4000
200
114°
4050
115°


Bit Size
MME Caliper
Spontaneous Potential
Gamma Ray
DST Uphole Tension
4100
nd. One Res Rt
Array Ind. One Res 60
Array Ind. One Res 40
Density Caliper
Shallow FE
115°
4150
100
116°
4200
116°
4250
117°
4300
100
Limestone Density Por.
PE
Density Correction
Limestone Neutron Por.


118°
4350
118°
4400
119°
4450
119°
4500
Bit Size
MML Caliper
Spontaneous Potential
Array Ind. One Res Rt
Array Ind. One Res 60
Array Ind. One Res 40
Shallow FE
Density Caliper
Limestone Density Por.
PE
Density Correction
Limestone Neutron Por.



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5 INCH MAIN

REPEAT SECTION

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Timing Marks
every 60.0 sec

Gamma Ray
API
0 75 150
150 225 300

Density Caliper
inches
6 11 16

Depth in Feet

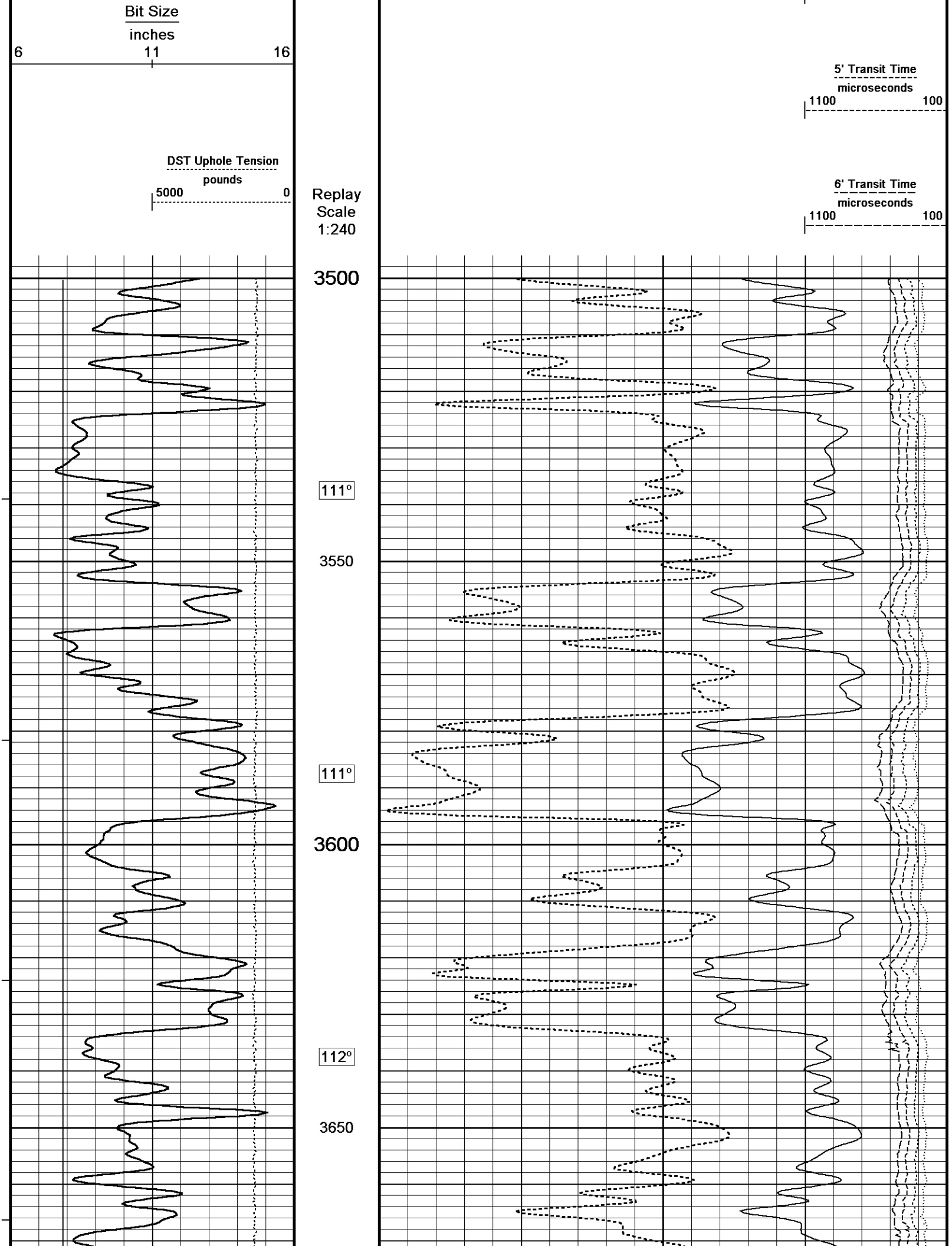
Borehole Temp in deg F

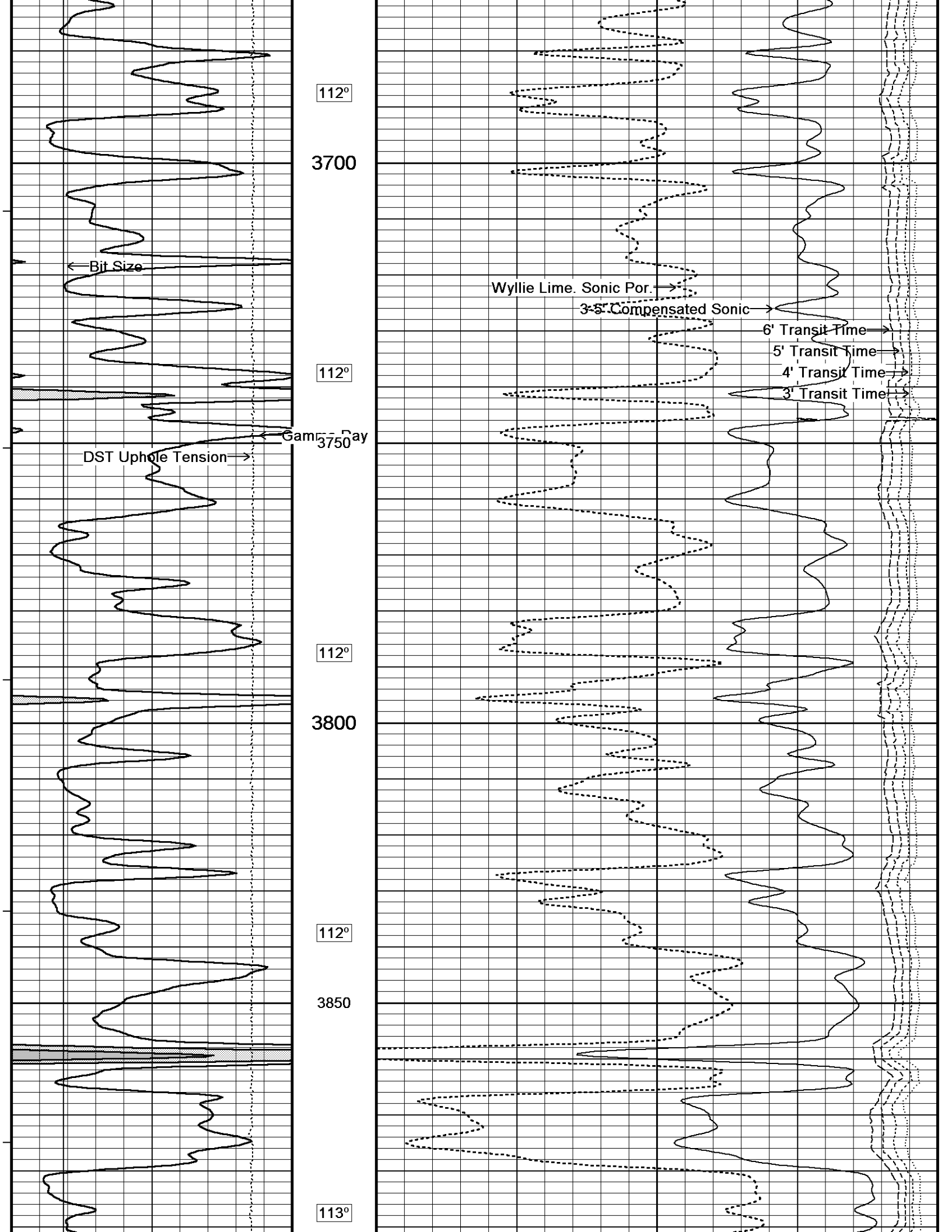
3-5' Compensated Sonic
microsec/foot
140 115 90 65 40

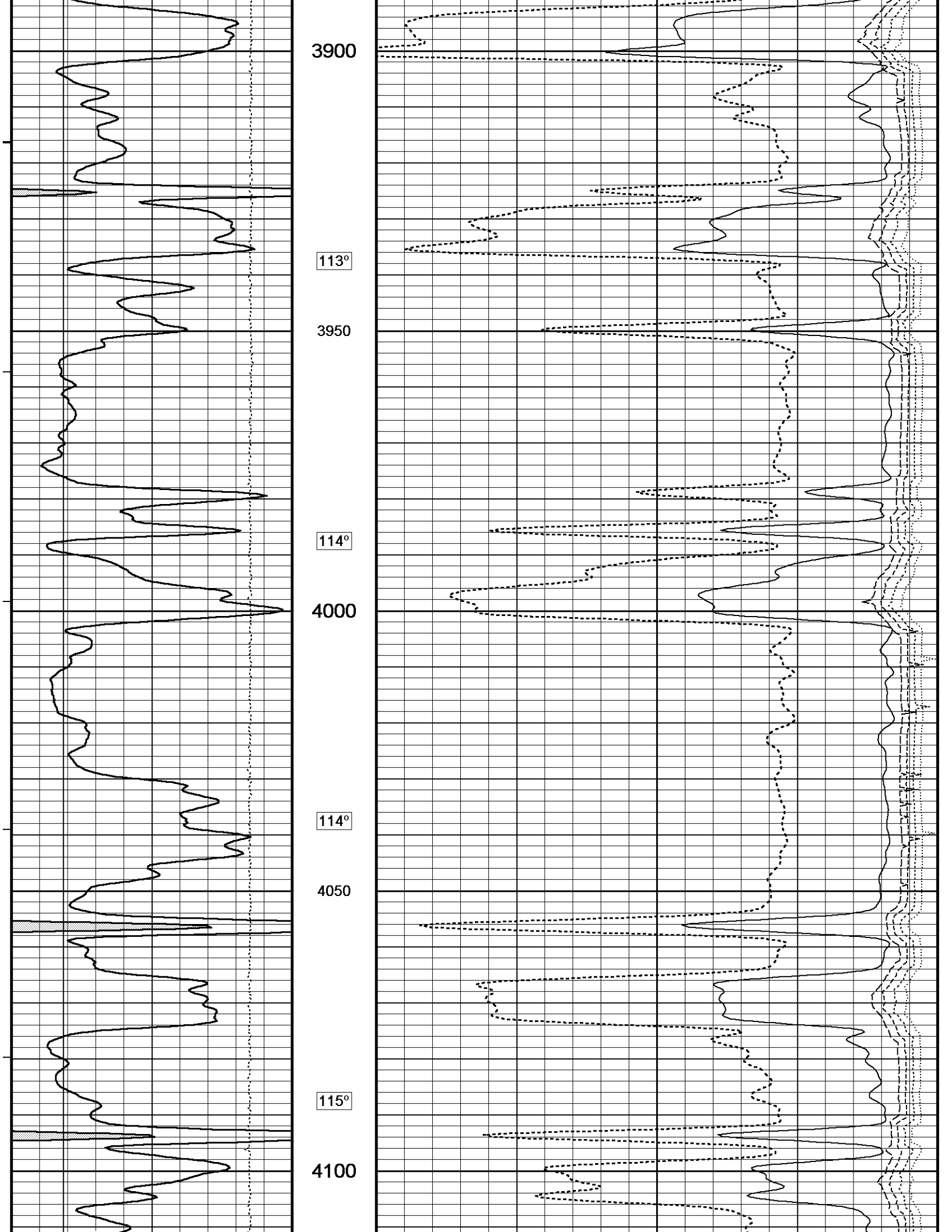
Wyllie Lime. Sonic Por.
percent
30 20 10 0 -10

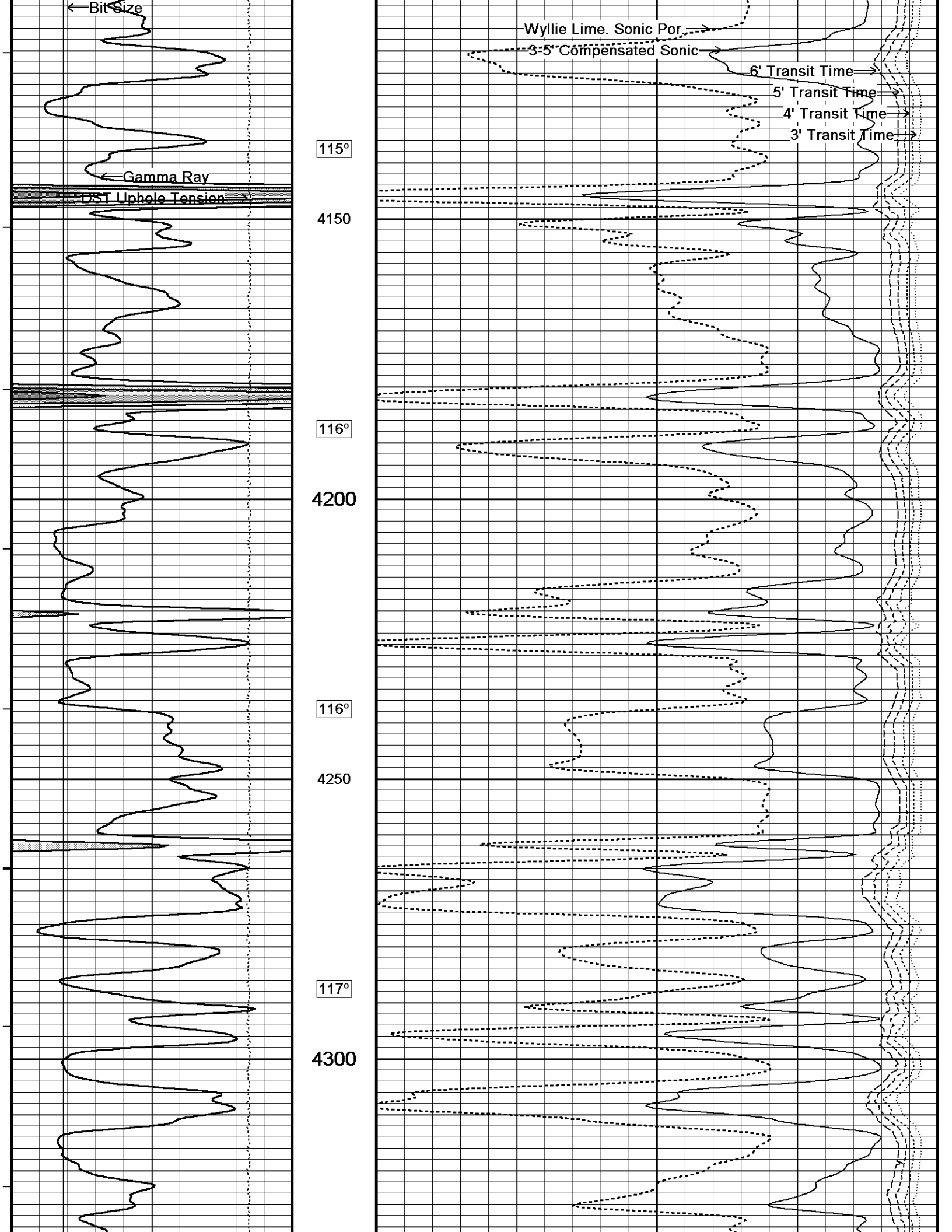
3' Transit Time
microseconds
1100 100

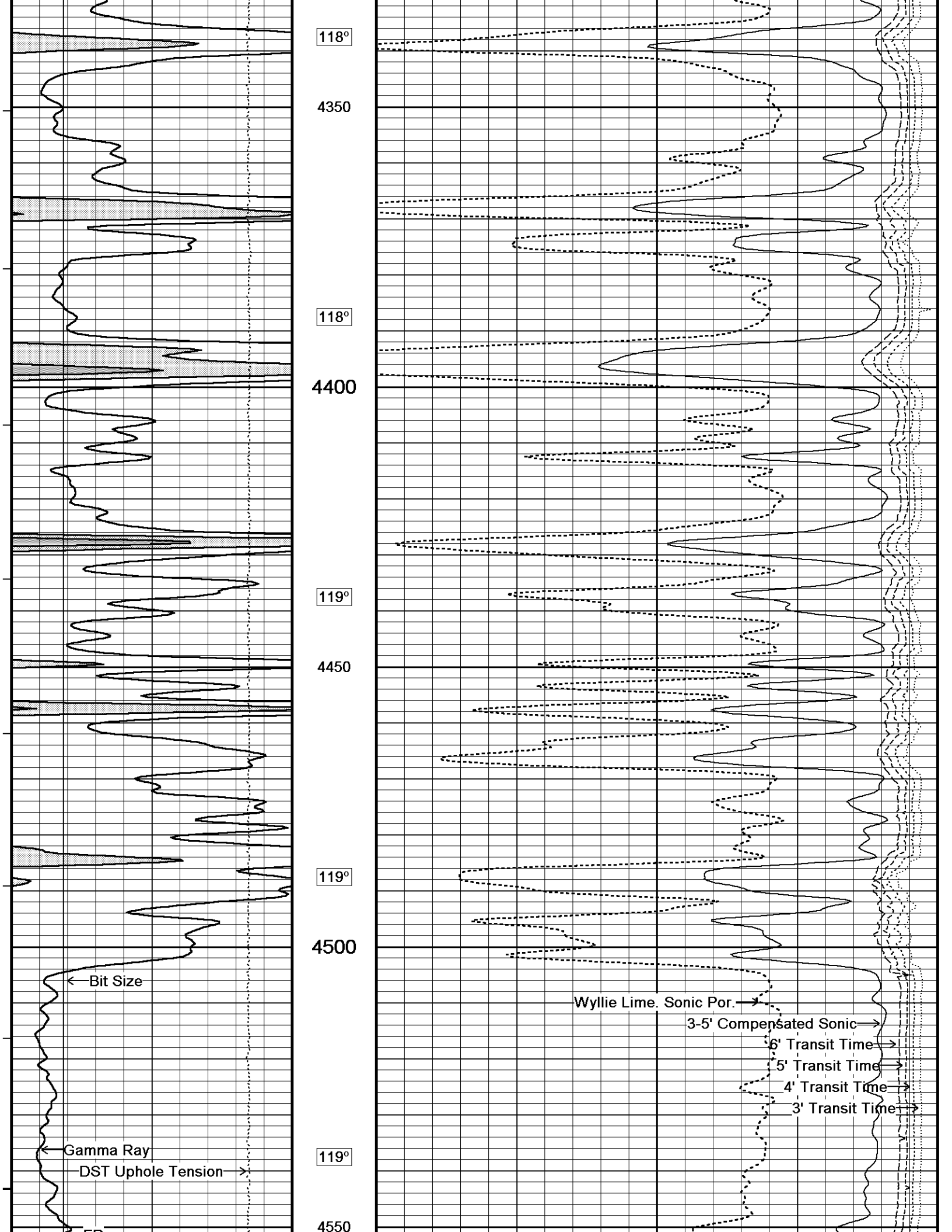
4' Transit Time
microseconds
1100 100

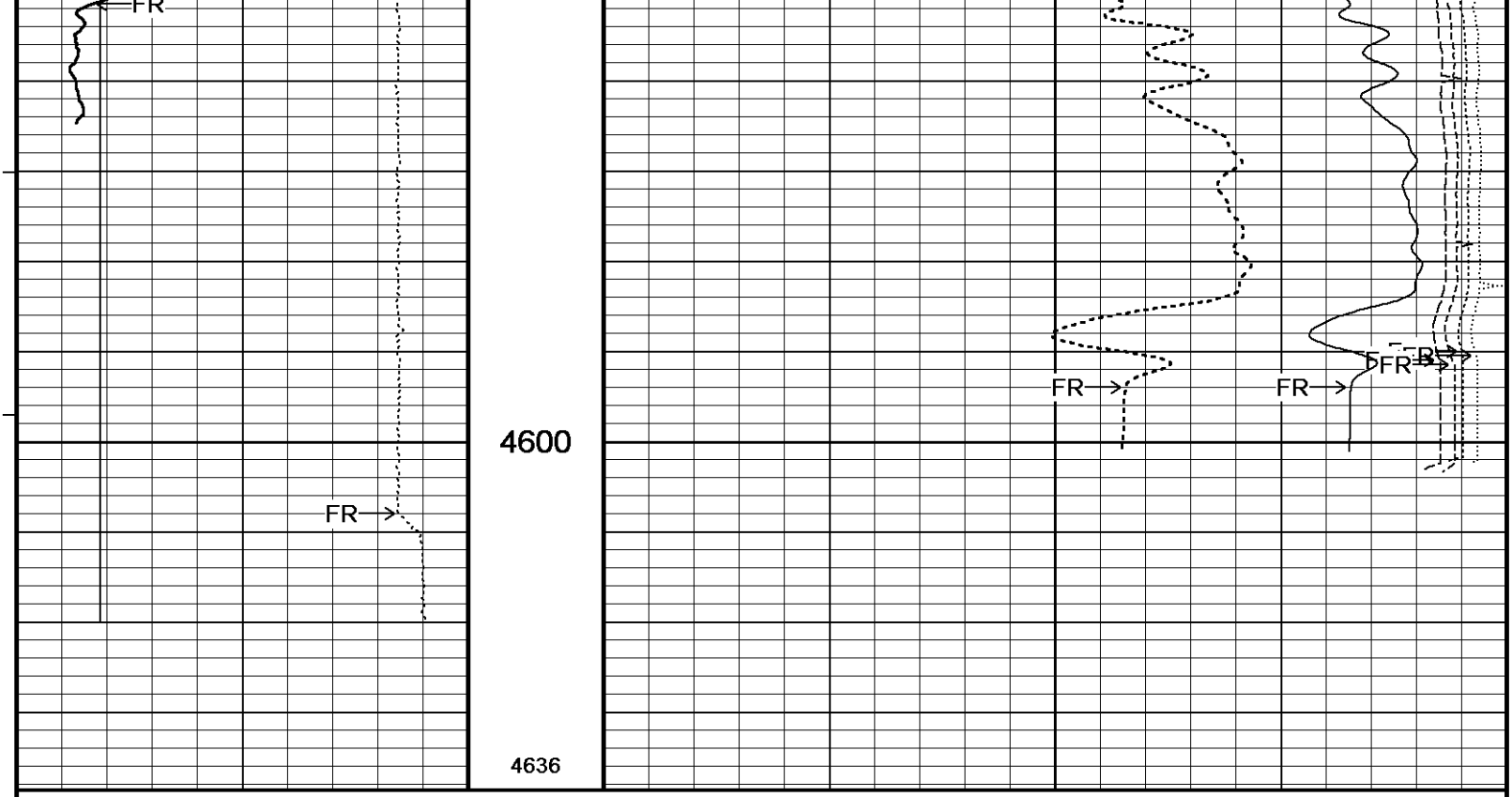

Bit Size
inches
6
11
16
DST Uphole Tension
pounds
5000
0
Replay
Scale
1:240
5' Transit Time
microseconds
1100
100
6' Transit Time
microseconds
1100
100
3500
111°
3550
111°
3600
112°
3650


112°
3700
Bit Size
Wyllie Lime. Sonic Por.
3-5' Compensated Sonic
6' Transit Time
5' Transit Time
4' Transit Time
3' Transit Time
112°
Gamma Ray
3750
DST Uphole Tension
112°
3800
112°
3850
113°


3900
113°
3950
114°
4000
114°
4050
115°
4100


Bit Size
Gamma Ray
DST Uphole Tension
Wyllie Lime. Sonic Por
3-5' Compensated Sonic
6' Transit Time
5' Transit Time
4' Transit Time
3' Transit Time
115°
4150
116°
4200
116°
4250
117°
4300


118°
4350
118°
4400
119°
4450
119°
4500
119°
4550
Bit Size
Gamma Ray
DST Uphole Tension
Wyllie Lime. Sonic Por.
3-5' Compensated Sonic
6' Transit Time
5' Transit Time
4' Transit Time
3' Transit Time



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REPEAT SECTION