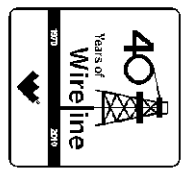




Weatherford[®]

**COMPACT PHOTO DENSITY
COMPENSATED NEUTRON
MICRORESISTIVITY LOG**

COMPANY **OXY USA**
WELL **STOOPS B-1**
FIELD **VICTORY**
PROVINCE/COUNTY **HASKELL**
COUNTRY/STATE **U.S.A. / KANSAS**
LOCATION **685' FSL & 1955' FWL**



SEC **23** TWP **30S** RGE **34W** Other Services
MAI/MFE
MSS
API Number **15-081-21983**
Permit Number
Permanent Datum G.L., Elevation 2950.82 feet
Log Measured From **KB**
Drilling Measured From **K.B.**

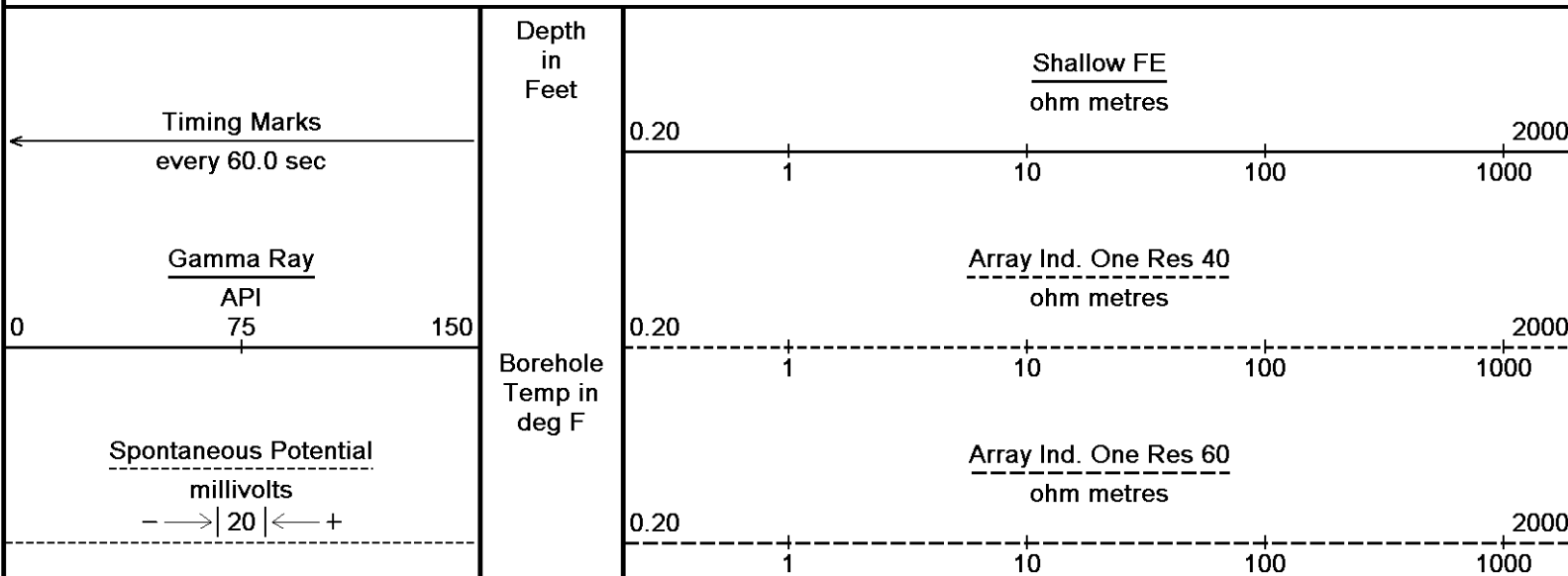
Date **16-MAY-2012** Elevations: **KB 2961.82**
DF 2961.82
GL 2950.82

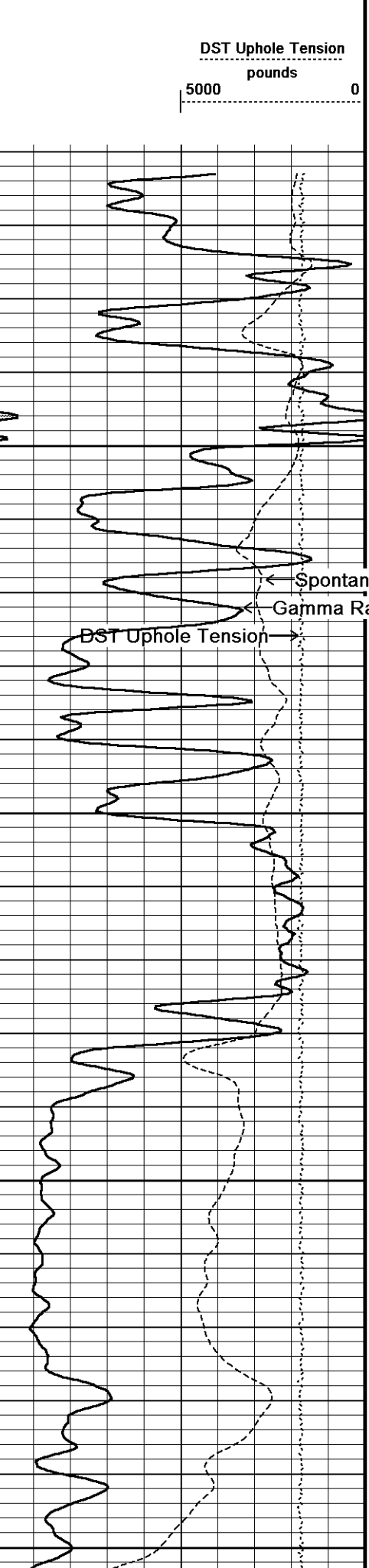
| | | |
|------------------------|--------------|---------------|
| Run Number | ONE | feet |
| Depth Driller | 5702.00 | feet |
| Depth Logger | 5674.00 | feet |
| First Reading | | |
| Last Reading | 4040.00 | feet |
| Casing Driller | 1818.00 | feet |
| Casing Logger | 1816.00 | feet |
| Bit Size | 7.875 | Inches |
| Hole Fluid Type | CHEMICAL | |
| Density / Viscosity | 9.70 lb/USg | 56.00 CP |
| PH / Fluid Loss | 9.10 | 7.20 ml/30Min |
| Sample Source | FLOWLINE | |
| Rm @ Measured Temp | 1.58 @ 96.0 | ohm-m |
| Rmf @ Measured Temp | 1.26 @ 96.0 | ohm-m |
| Rmc @ Measured Temp | 1.90 @ 96.0 | ohm-m |
| Source Rmf / Rmc | CALC | CALC |
| Rm @ BHT | 1.08 @ 140.0 | ohm-m |
| Time Since Circulation | 6 HOURS | |
| Max Recorded Temp | 140.00 | deg F |
| Equipment Name | COMPACT | |
| Equipment / Base | 13057 | LIB |
| Recorded By | R.HOFFMAN | |
| Witnessed By | DEREK ADAM | ANDREA HOWSON |
| S.O. # / JOB # | 3534578 | LB12-126 |

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 REPEAT PASS

Depth Based Data - Maximum Sampling Increment 10.0cm
Plotted on 17-MAY-2012 19:26
Filename: C:\Minimus 11.03.4044\Data\Oxy Stoops B-1\Oxy Stoops B-1_Repeat.dta
Recorded on 17-MAY-2012 18:46
System Versions: Logged with 11.03.4044 Processed with 11.03.4044 Plotted with 11.03.4044





Replay
Scale
1:240

5212

5250

137°

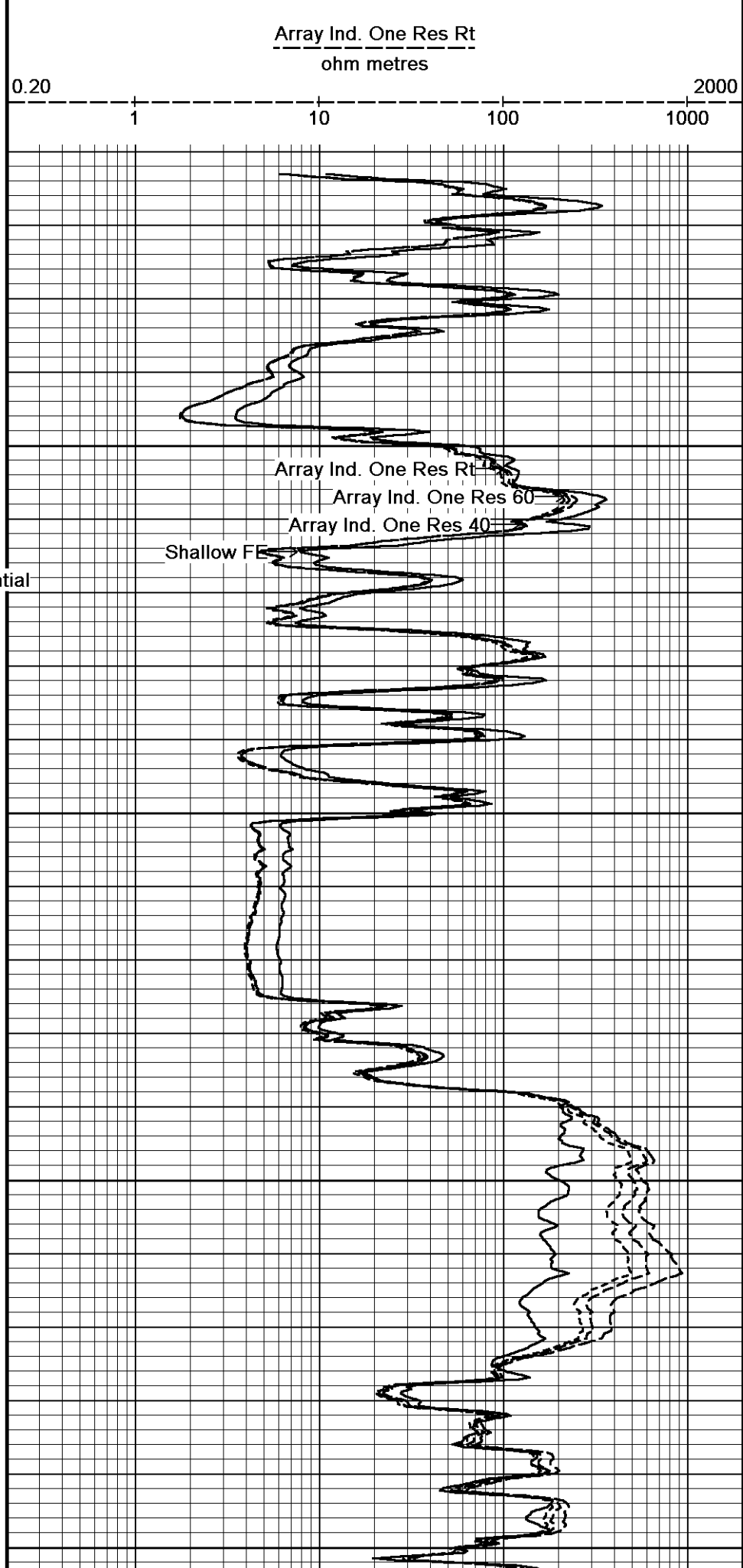
5300

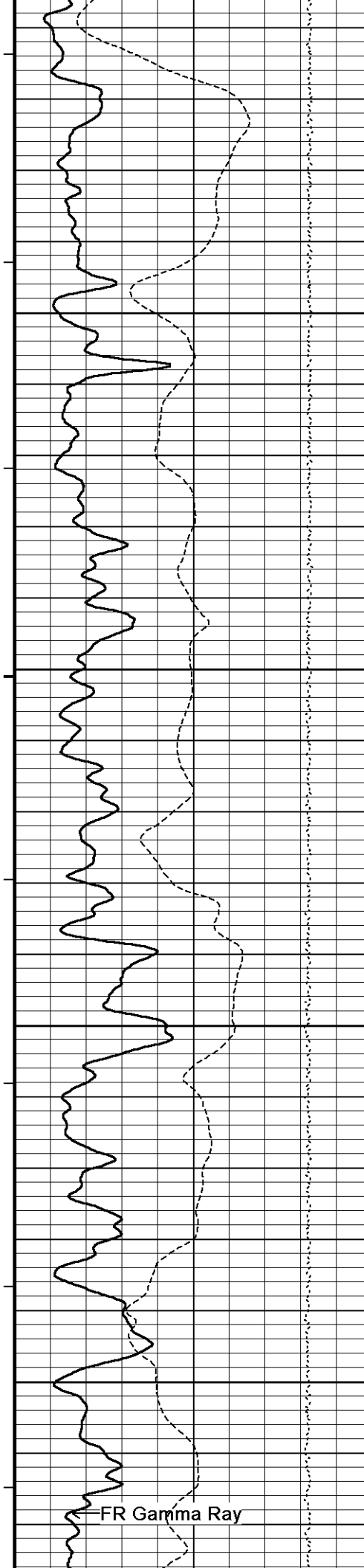
137°

5350

138°

5400





139°

5450

139°

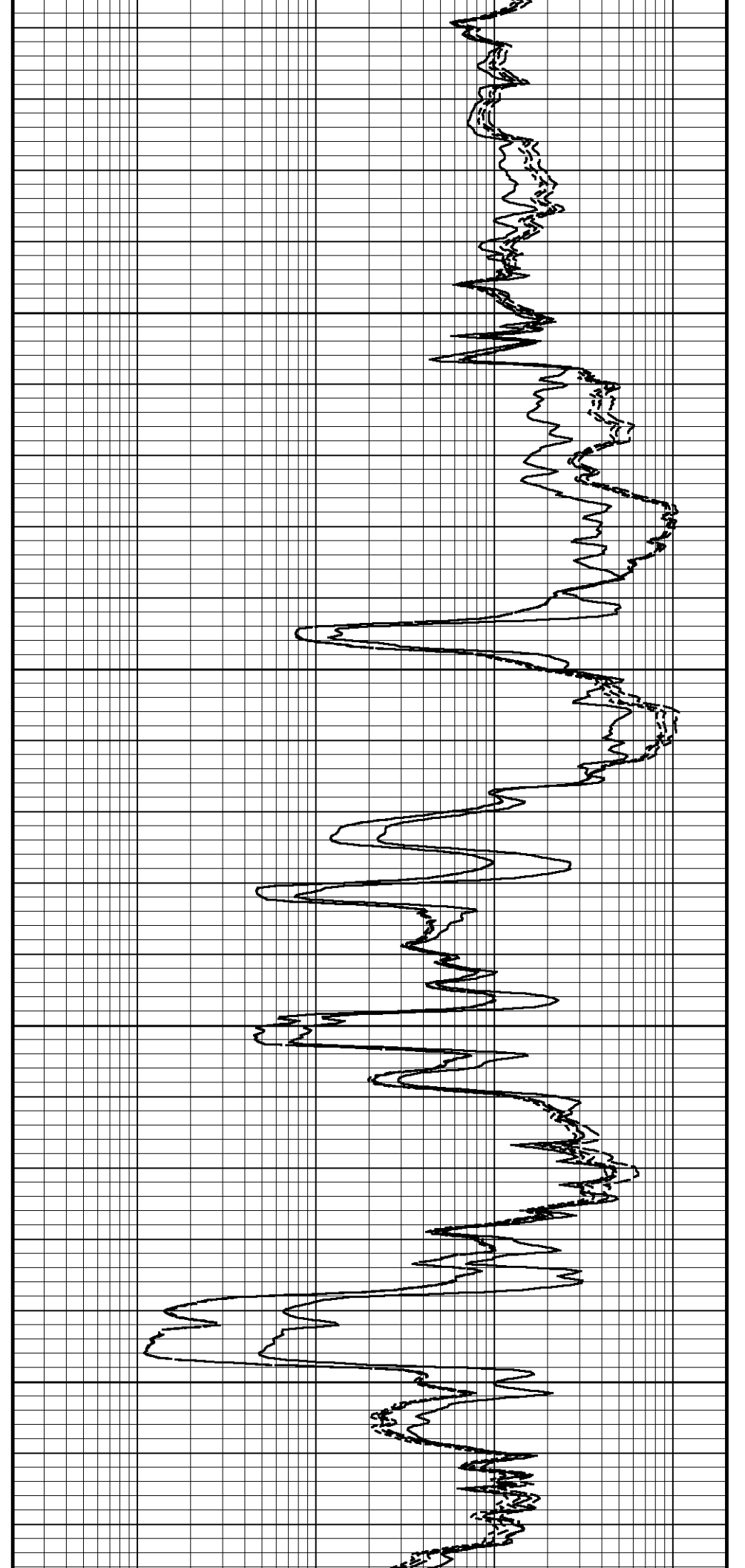
5500

140°

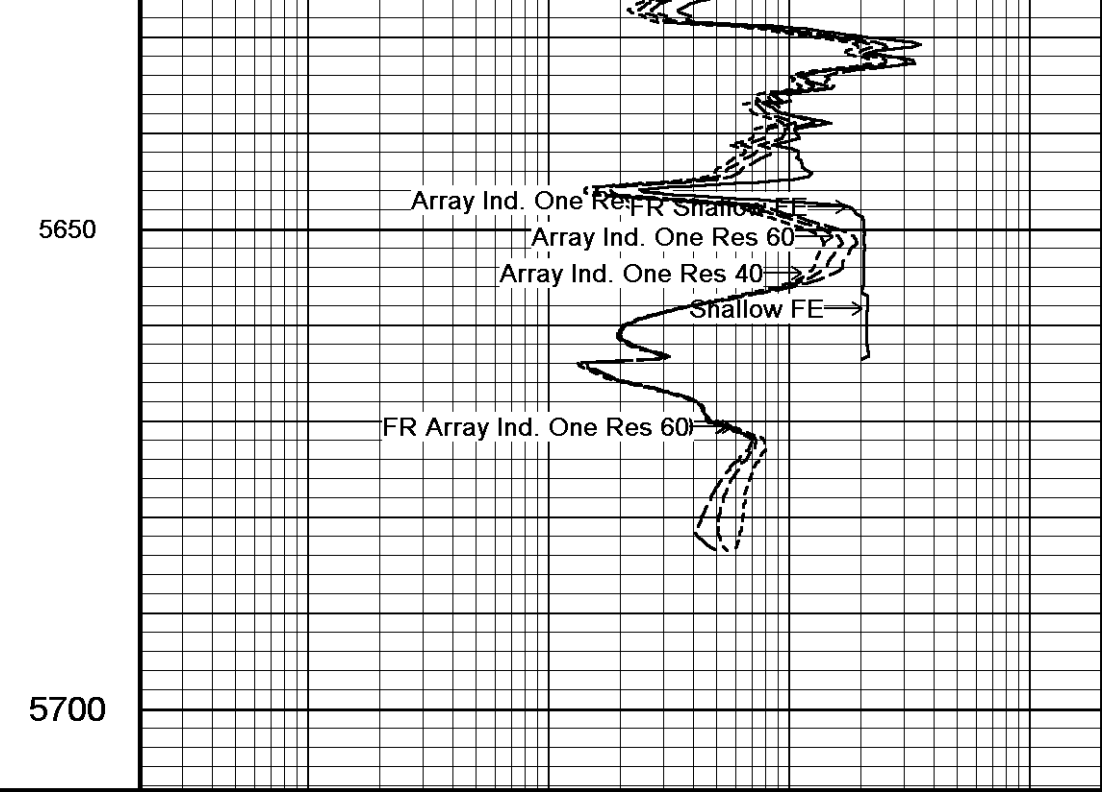
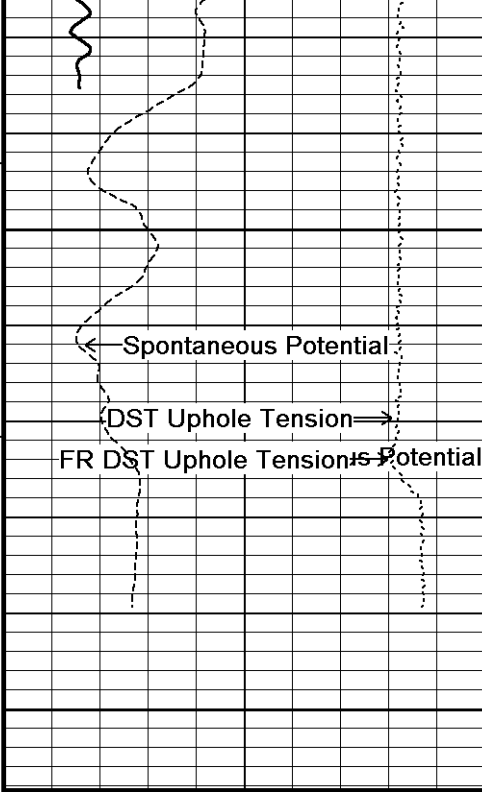
5550

140°

5600



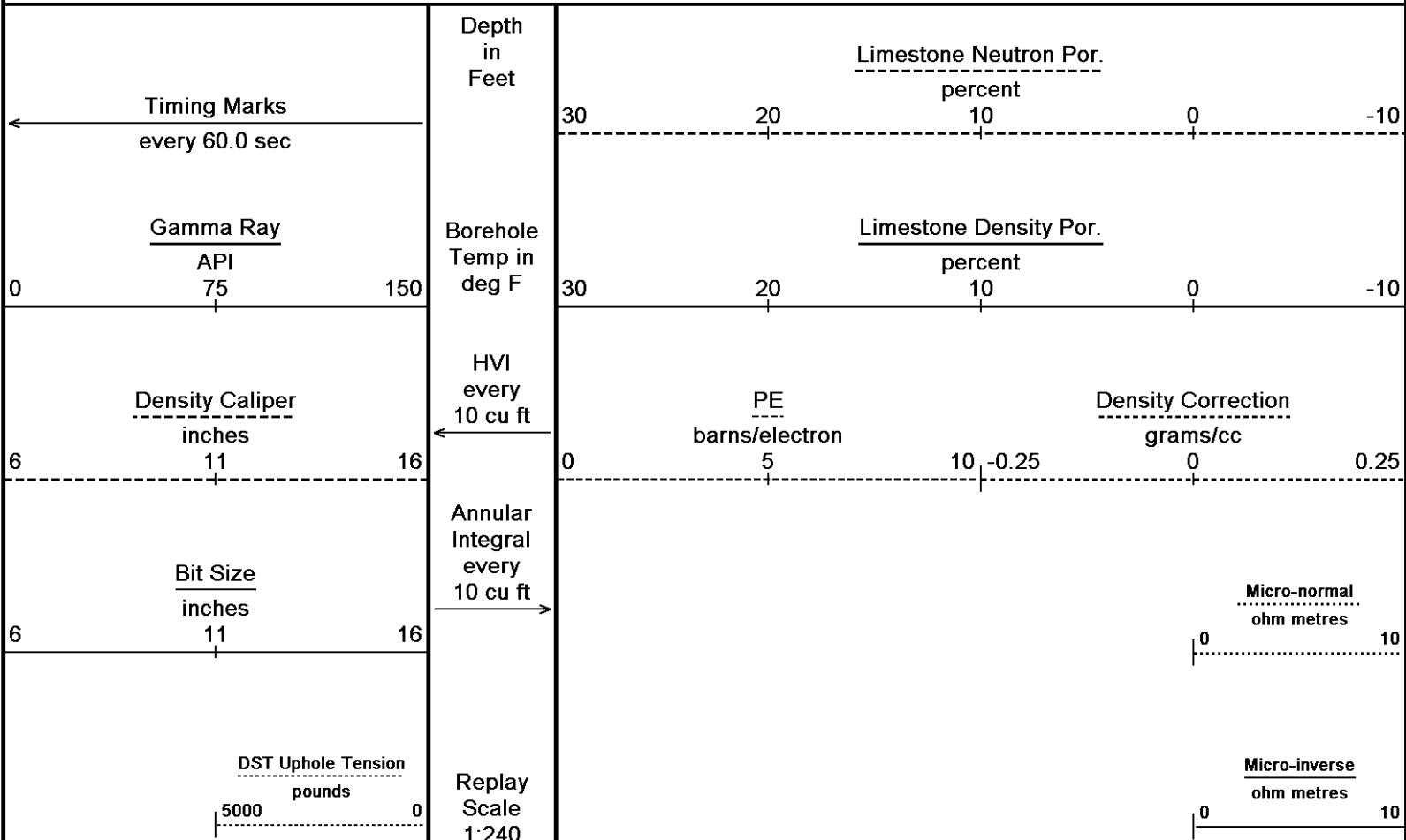
FR Gamma Ray

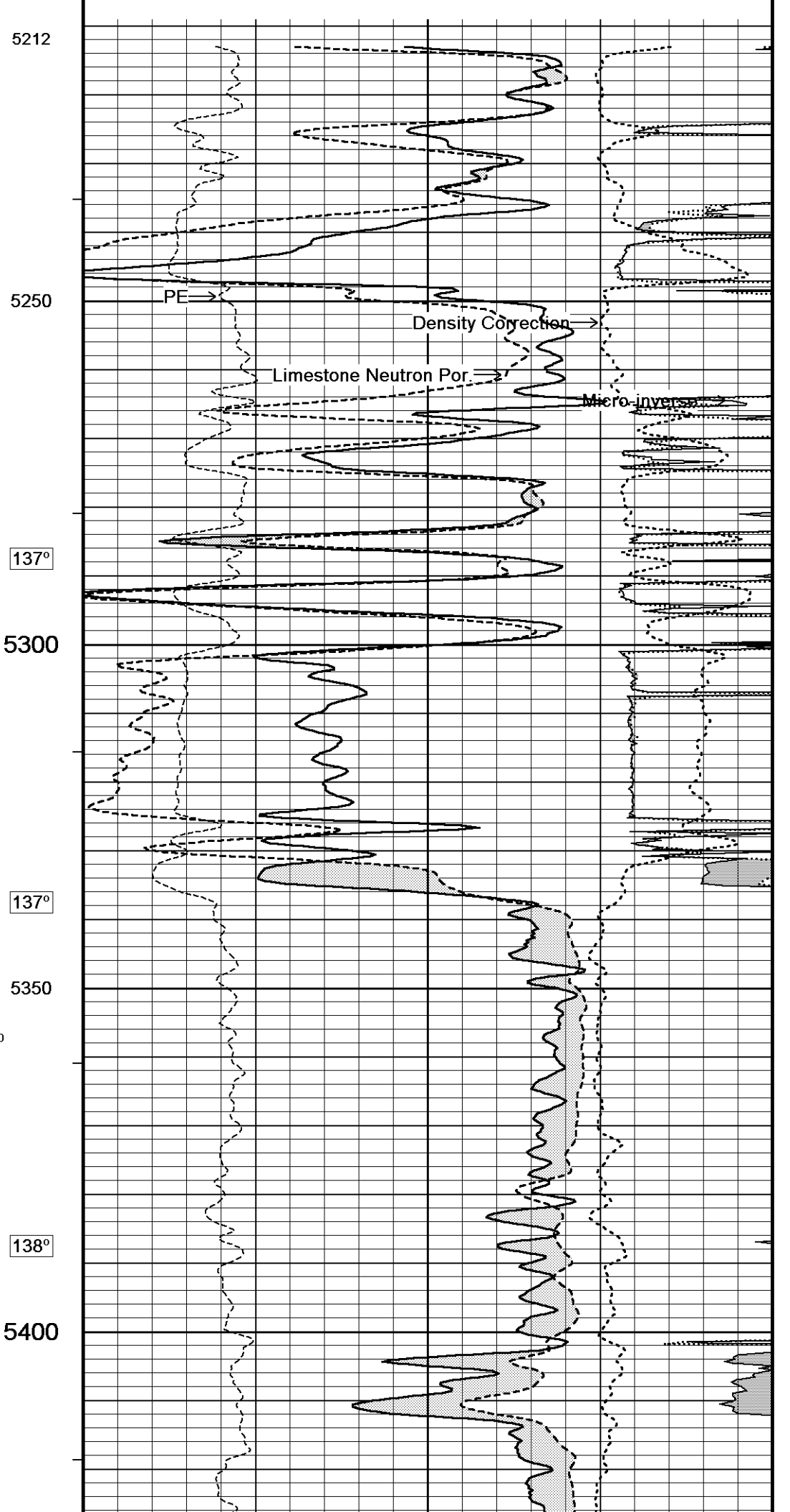
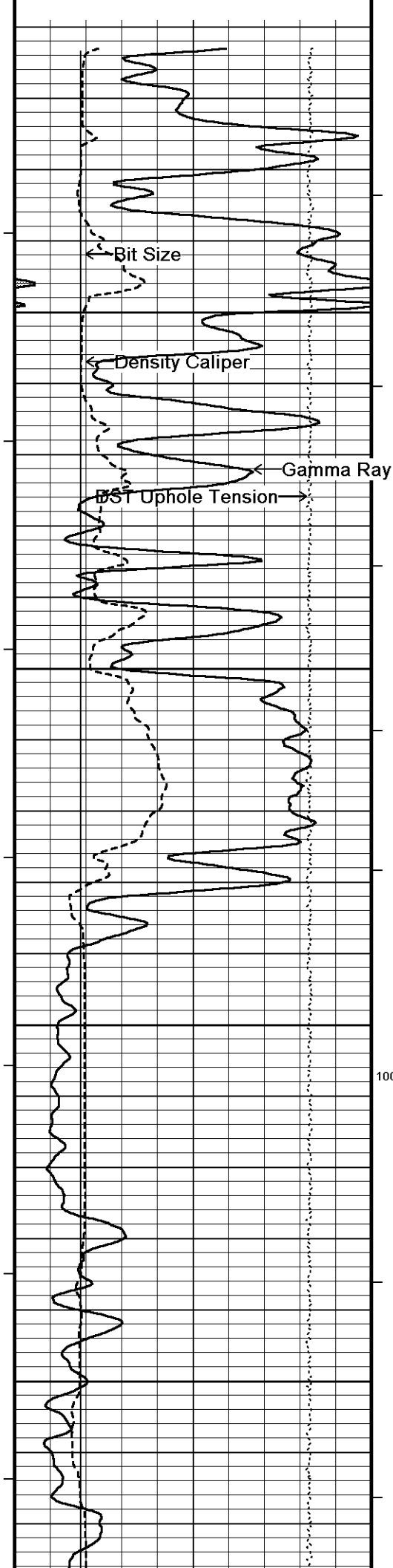


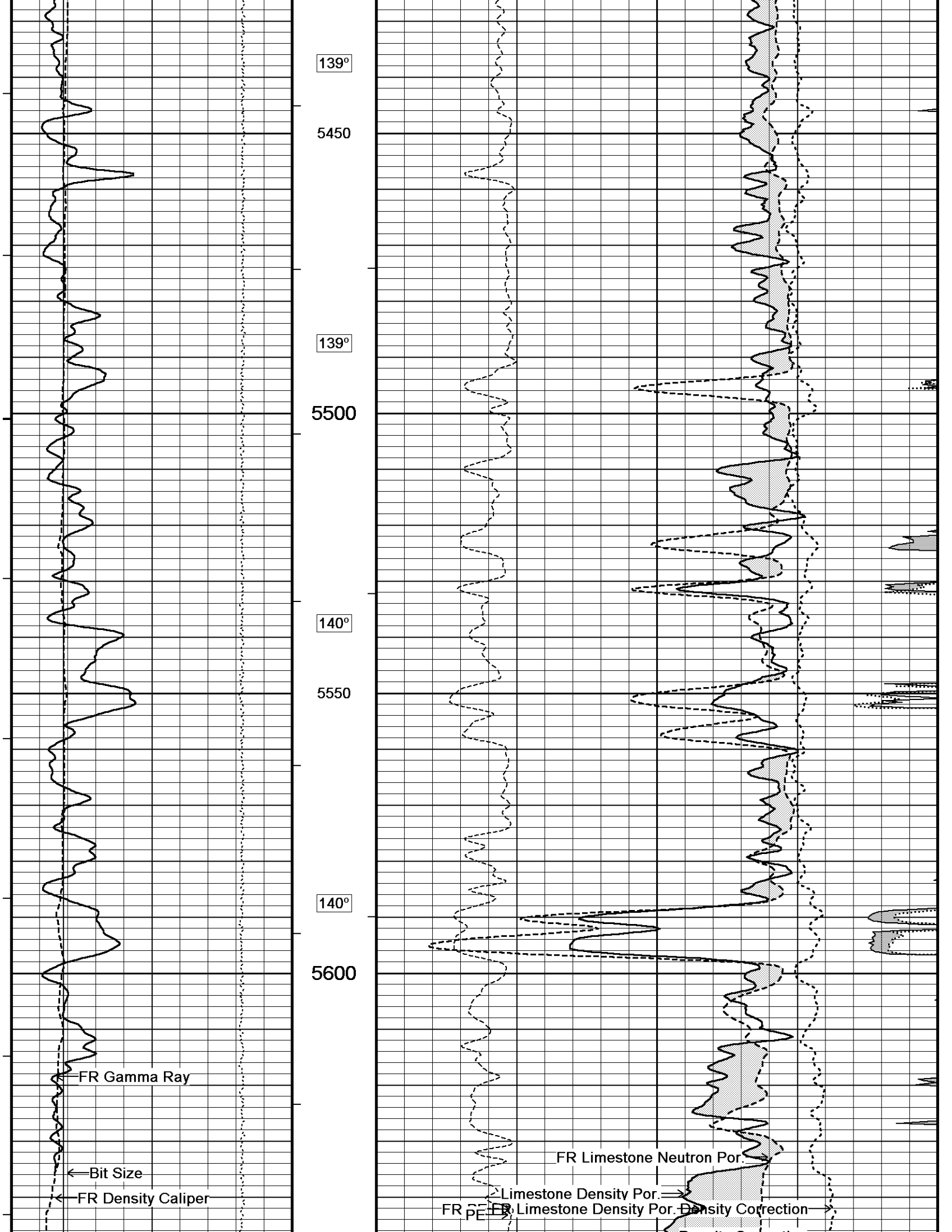
Depth Based Data - Maximum Sampling Increment 10.0cm
 Plotted on 17-MAY-2012 19:26
 Filename: C:\Minimus 11.03.4044\Data\Oxy Stoops B-1\Oxy Stoops B-1_Repeat.dta
 Recorded on 17-MAY-2012 18:46
 System Versions: Logged with 11.03.4044 Processed with 11.03.4044 Plotted with 11.03.4044

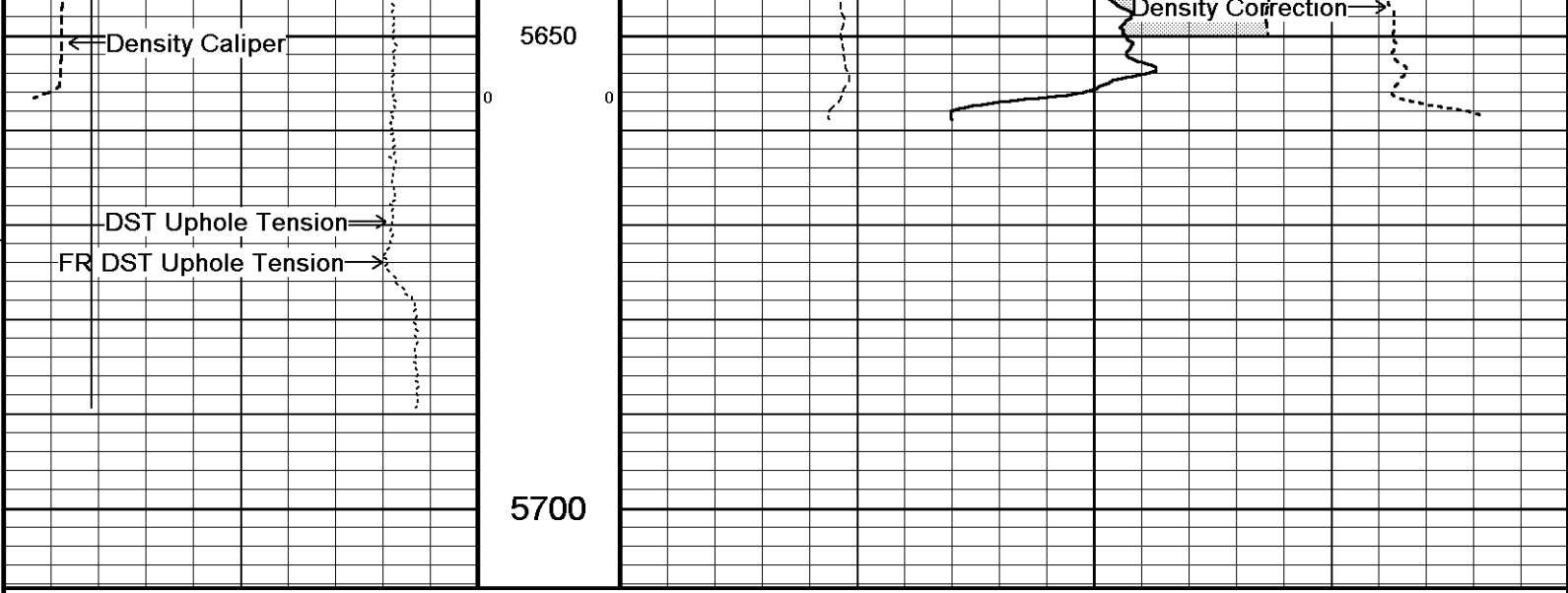
↑ 5 INCH REPEAT PASS ↑

↓ 5 INCH REPEAT PASS ↓
 Depth Based Data - Maximum Sampling Increment 10.0cm
 Plotted on 17-MAY-2012 19:26
 Filename: C:\Minimus 11.03.4044\Data\Oxy Stoops B-1\Oxy Stoops B-1_Repeat.dta
 Recorded on 17-MAY-2012 18:46
 System Versions: Logged with 11.03.4044 Processed with 11.03.4044 Plotted with 11.03.4044







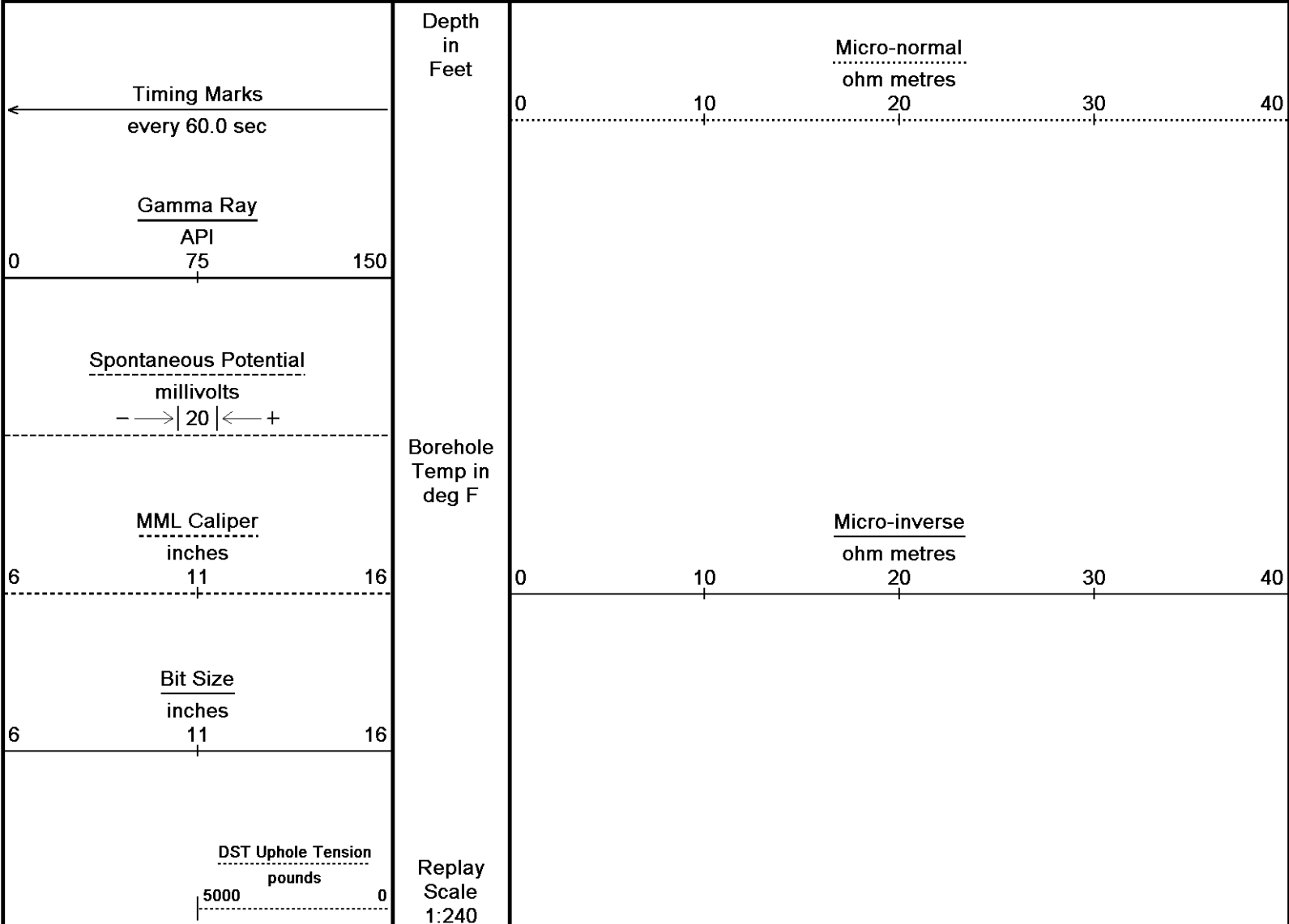


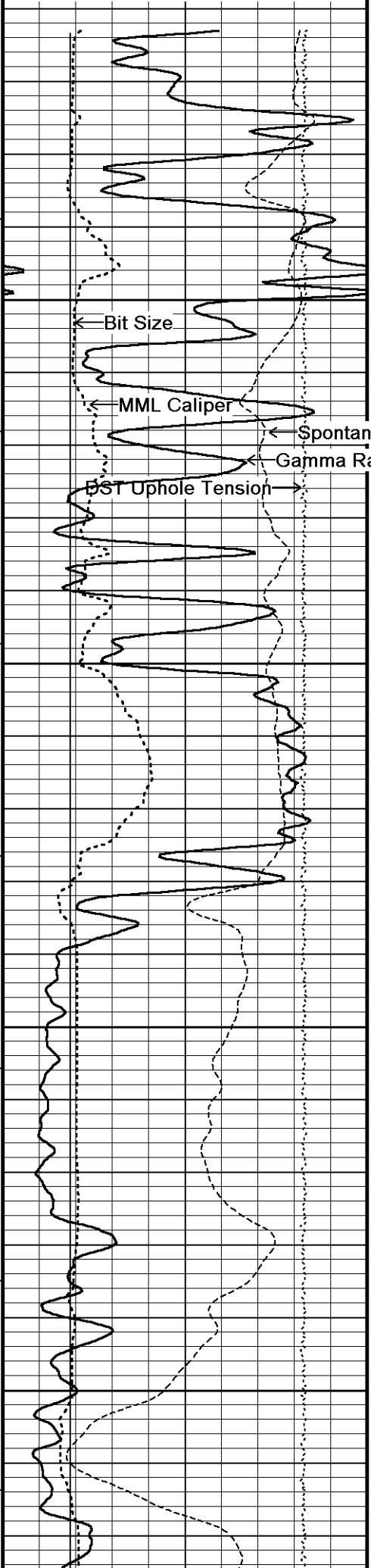
Depth Based Data - Maximum Sampling Increment 10.0cm Plotted on 17-MAY-2012 19:26
 Filename: C:\Minimus 11.03.4044\Data\Oxy Stoops B-1\Oxy Stoops B-1_Repeat.dta Recorded on 17-MAY-2012 18:46
 System Versions: Logged with 11.03.4044 Processed with 11.03.4044 Plotted with 11.03.4044

↑ **5 INCH REPEAT PASS** ↑

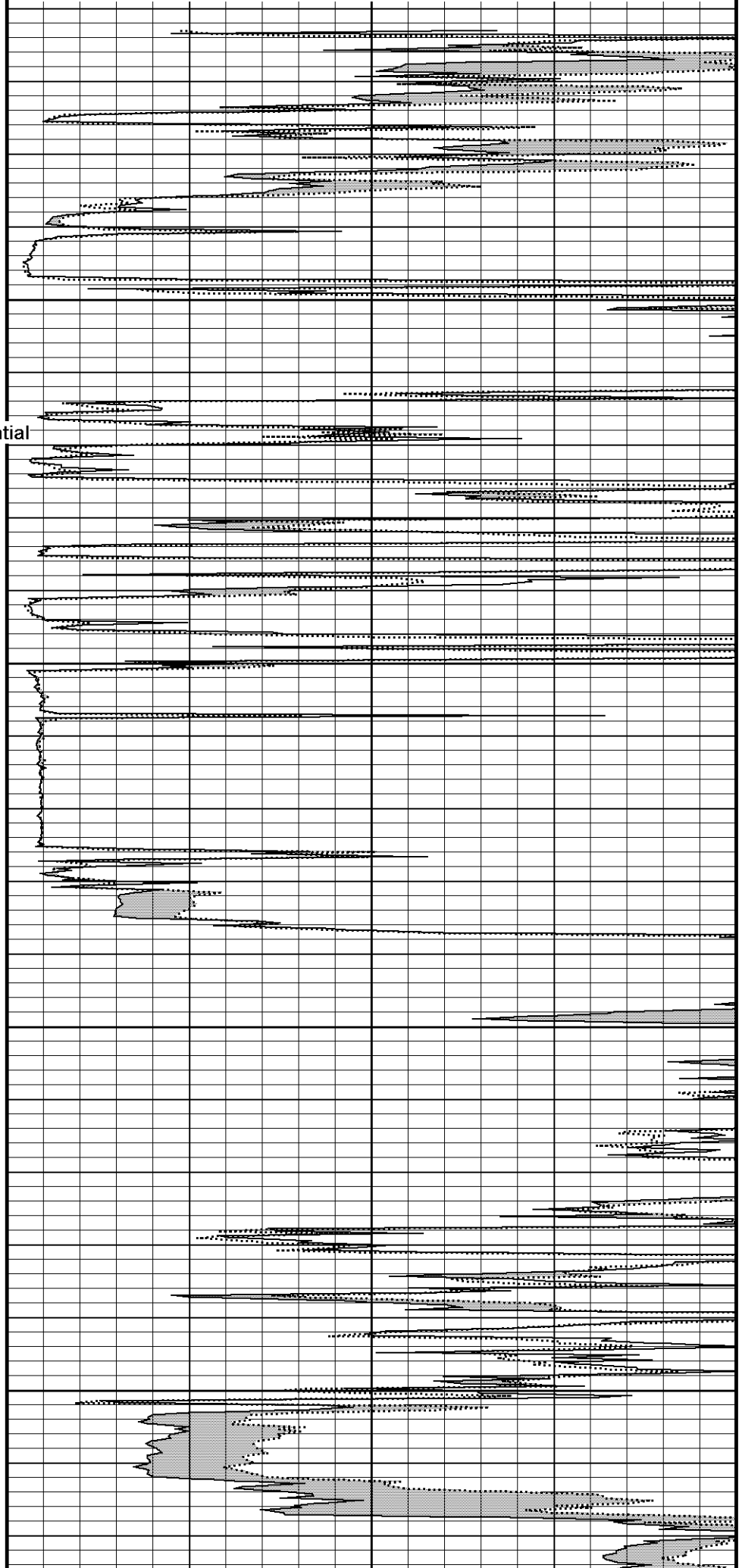
↓ **5 INCH REPEAT PASS** ↓

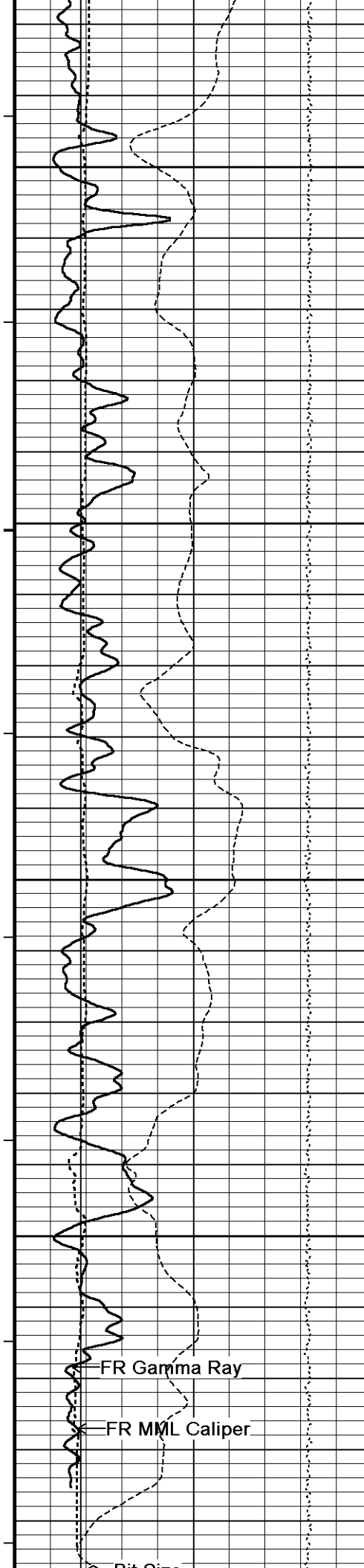
Depth Based Data - Maximum Sampling Increment 10.0cm Plotted on 17-MAY-2012 19:26
 Filename: C:\Minimus 11.03.4044\Data\Oxy Stoops B-1\Oxy Stoops B-1_Repeat.dta Recorded on 17-MAY-2012 18:46
 System Versions: Logged with 11.03.4044 Processed with 11.03.4044 Plotted with 11.03.4044





5212
5250
137°
5300
137°
5350
138°
5400





139°

5450

139°

5500

140°

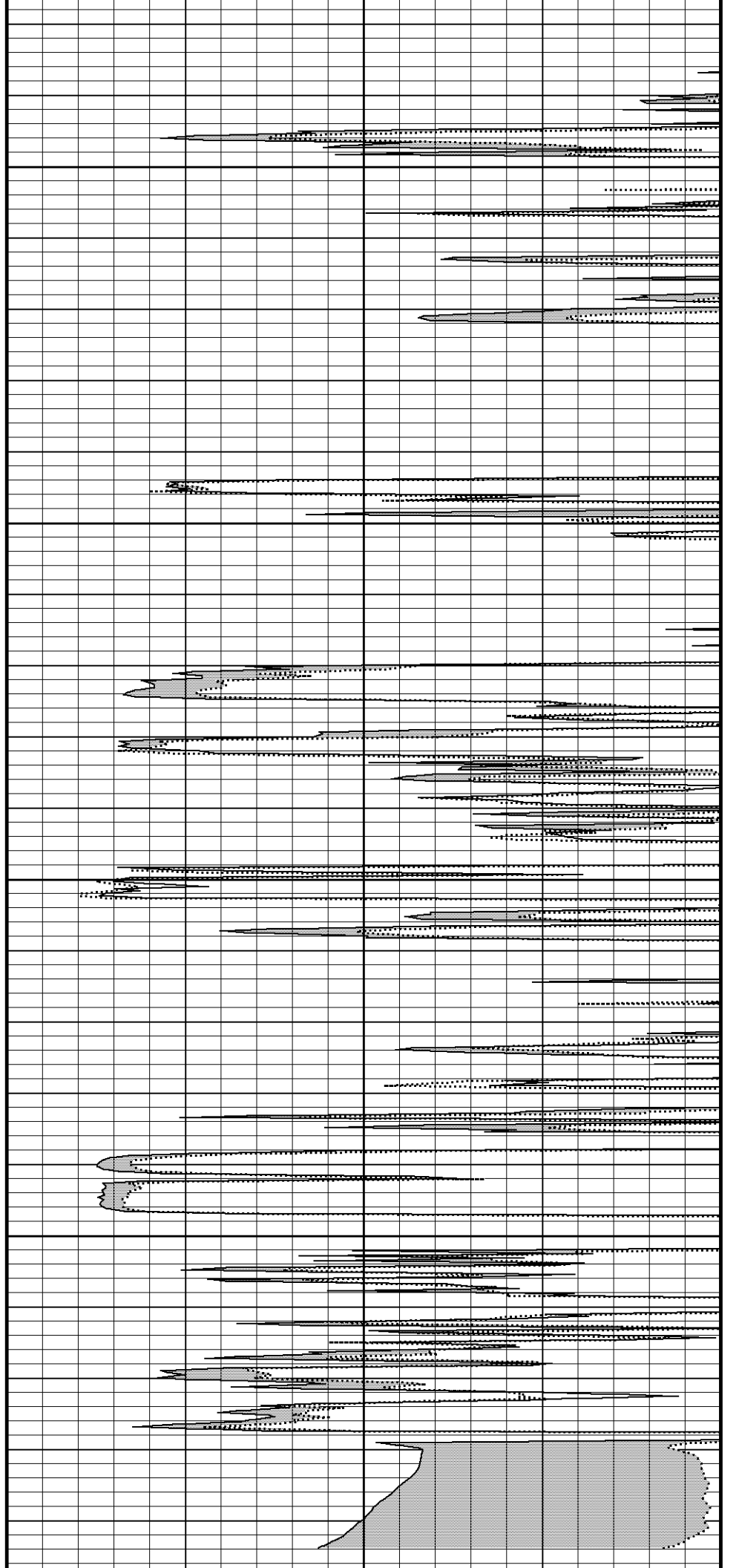
5550

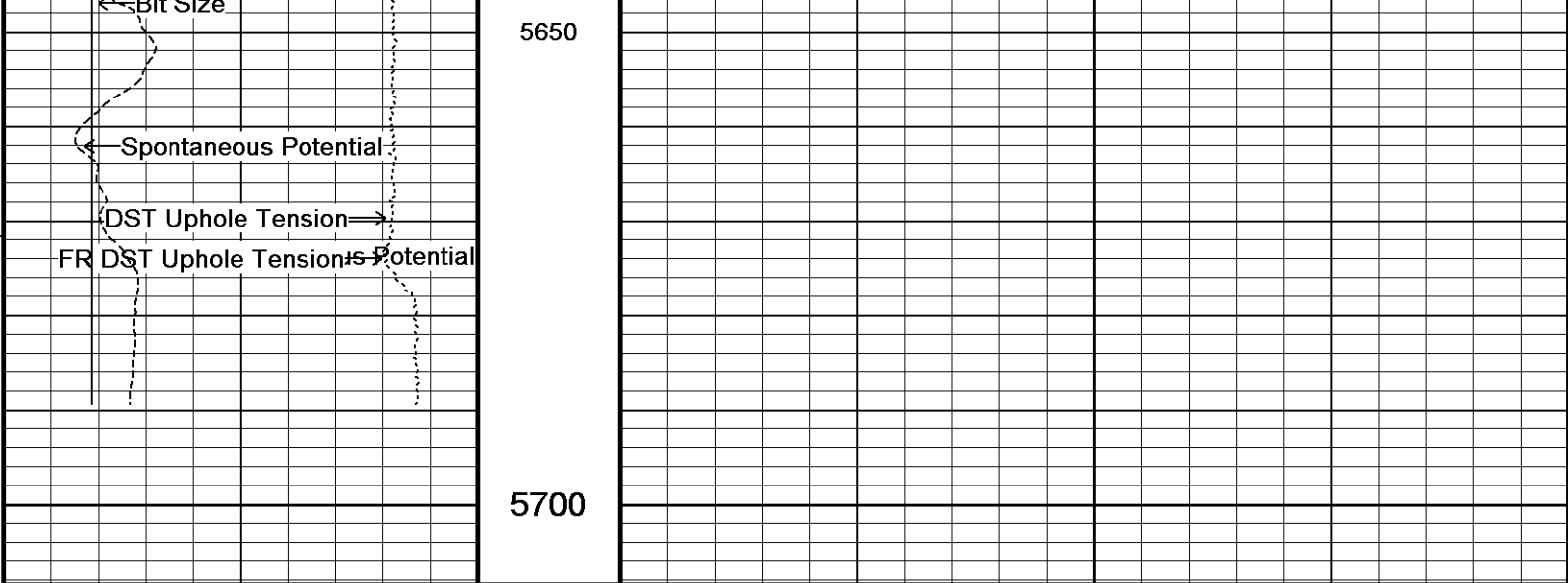
140°

5600

FR Gamma Ray

FR MML Caliper



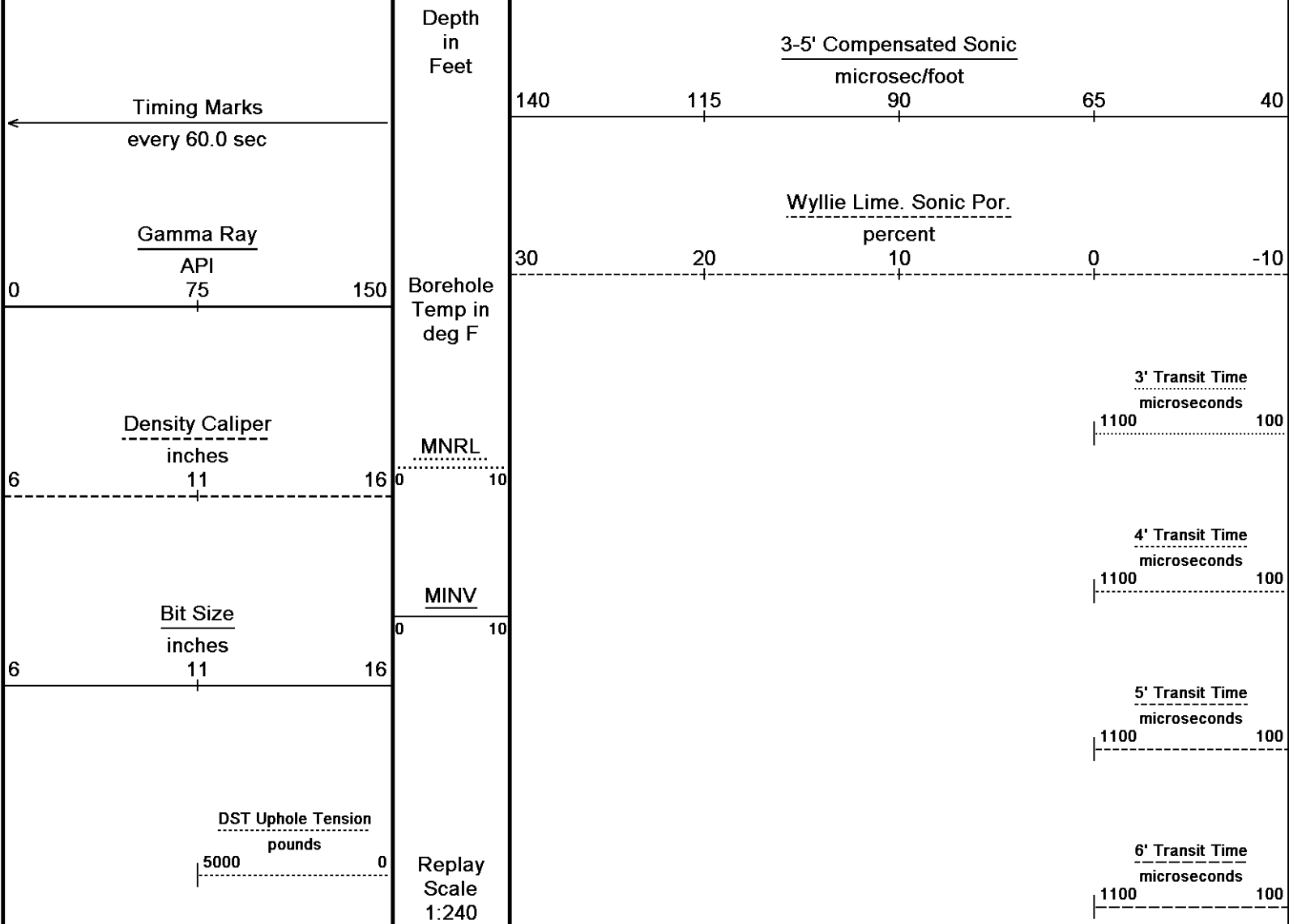


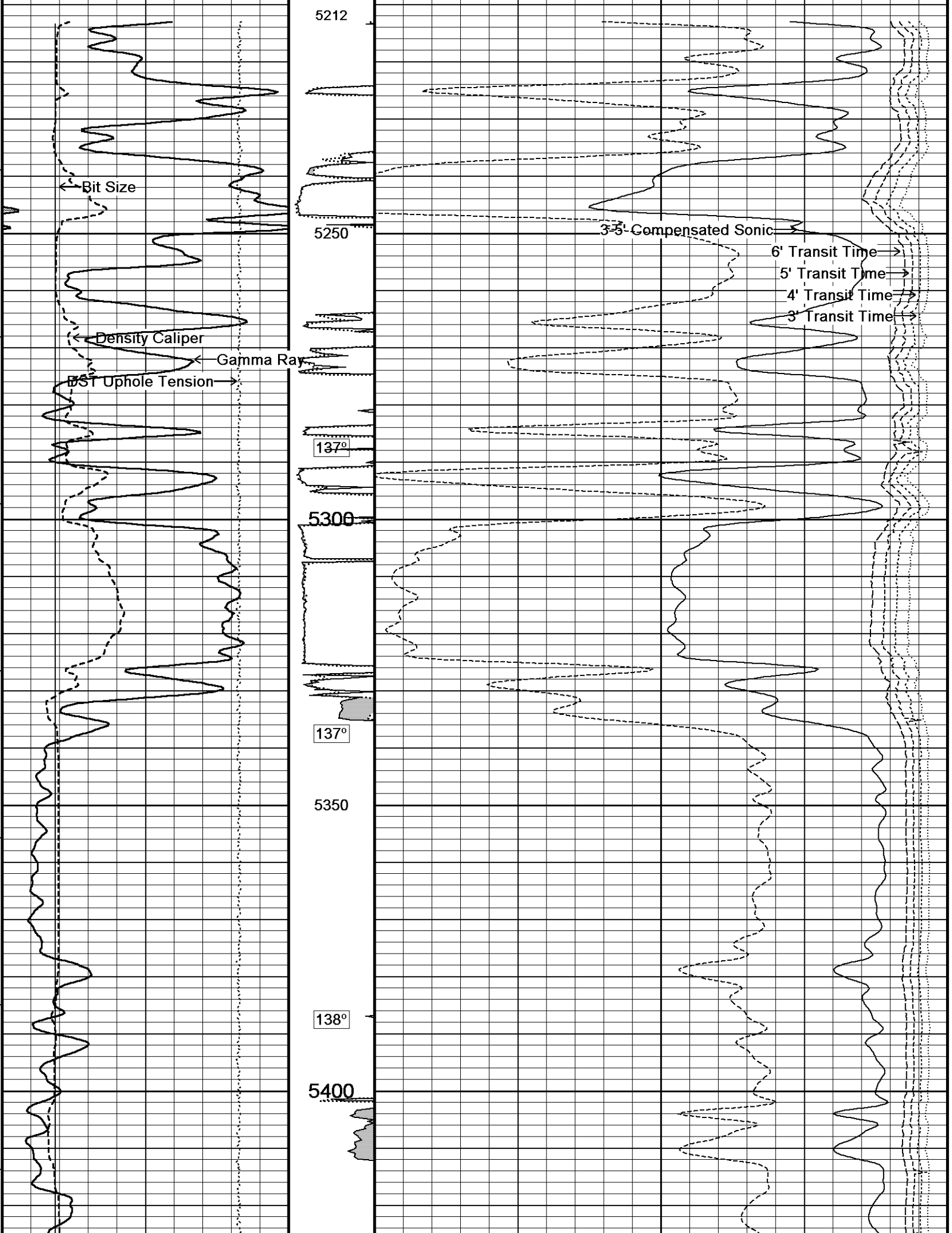
Depth Based Data - Maximum Sampling Increment 10.0cm Plotted on 17-MAY-2012 19:26
 Filename: C:\Minimus 11.03.4044\Data\Oxy Stoops B-1\Oxy Stoops B-1_Repeat.dta Recorded on 17-MAY-2012 18:46
 System Versions: Logged with 11.03.4044 Processed with 11.03.4044 Plotted with 11.03.4044

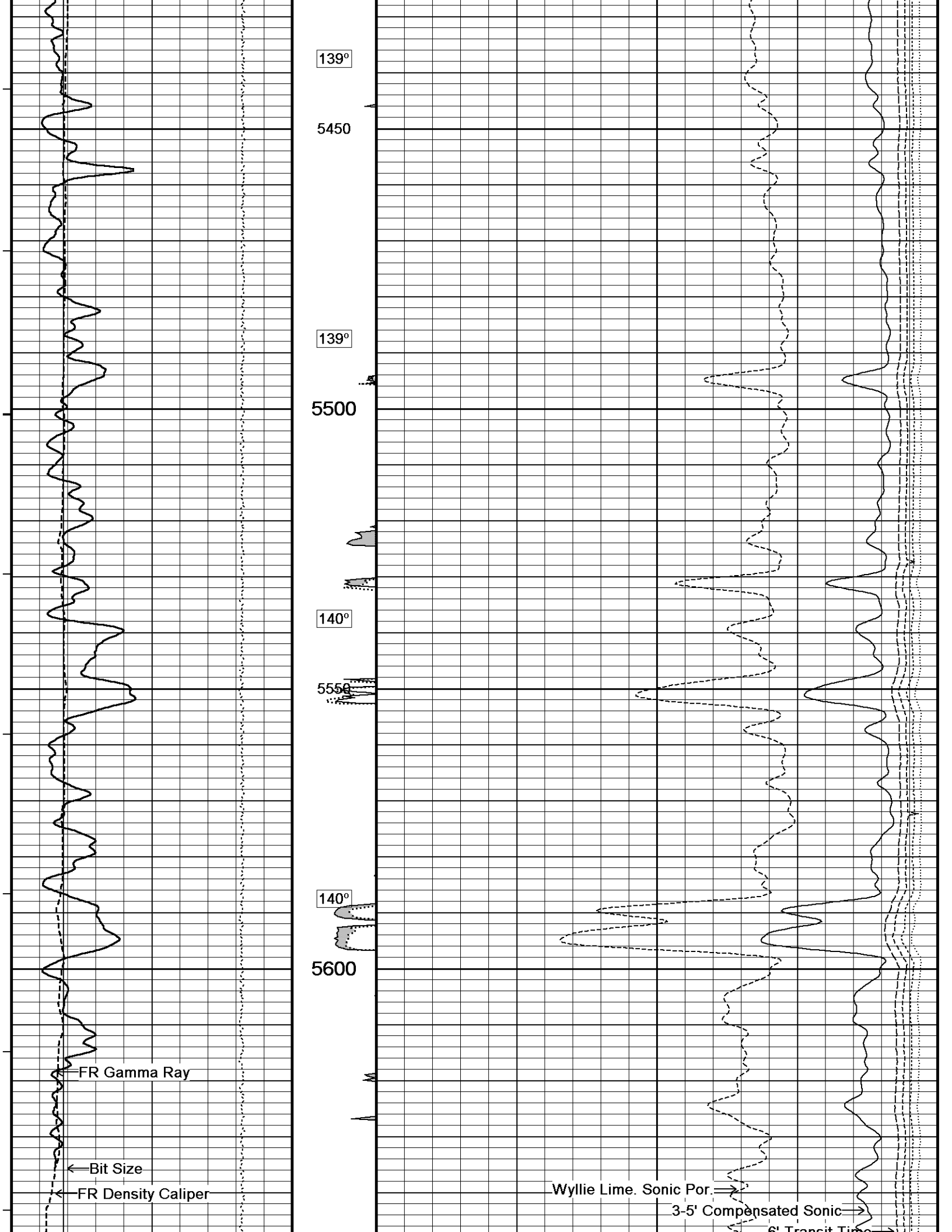
↑ **5 INCH REPEAT PASS** ↑

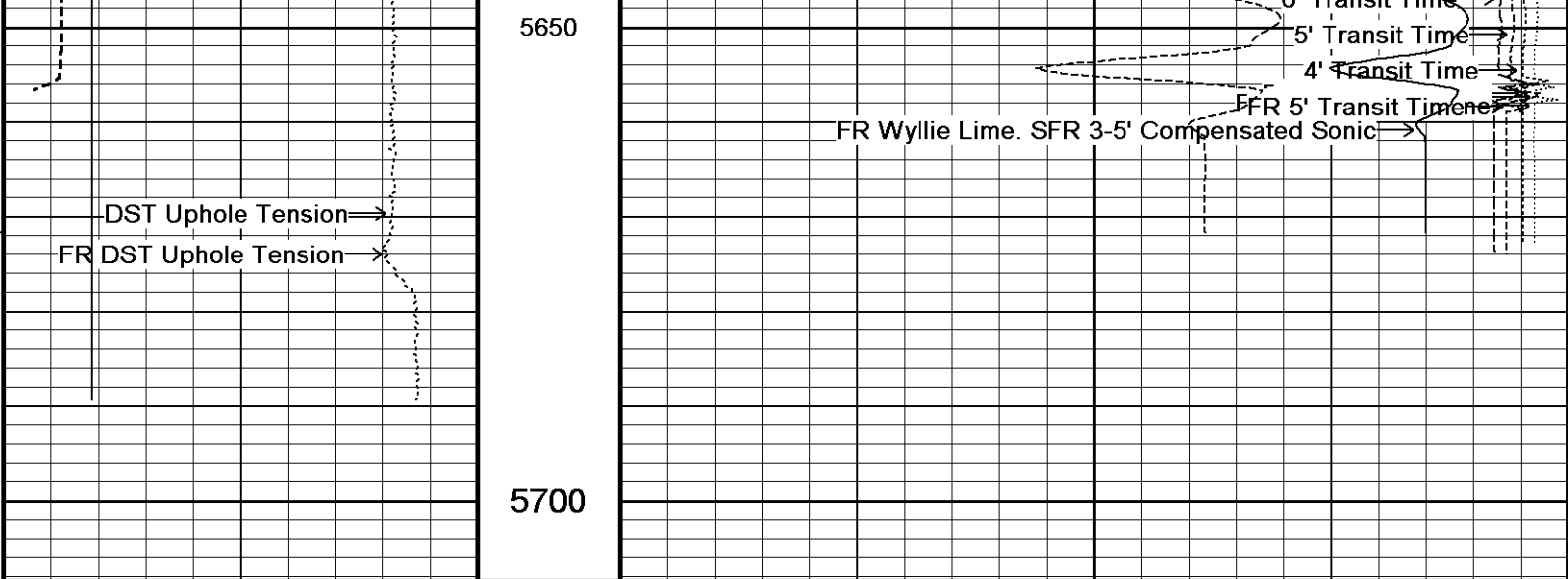
↓ **5 INCH REPEAT PASS** ↓

Depth Based Data - Maximum Sampling Increment 10.0cm Plotted on 17-MAY-2012 19:26
 Filename: C:\Minimus 11.03.4044\Data\Oxy Stoops B-1\Oxy Stoops B-1_Repeat.dta Recorded on 17-MAY-2012 18:46
 System Versions: Logged with 11.03.4044 Processed with 11.03.4044 Plotted with 11.03.4044









Depth Based Data - Maximum Sampling Increment 10.0cm

Plotted on 17-MAY-2012 19:26

Filename: C:\Minimus 11.03.4044\Data\Oxy Stoops B-1\Oxy Stoops B-1_Repeat.dta

Recorded on 17-MAY-2012 18:46

System Versions: Logged with 11.03.4044 Processed with 11.03.4044 Plotted with 11.03.4044

↑ 5 INCH REPEAT PASS ↑