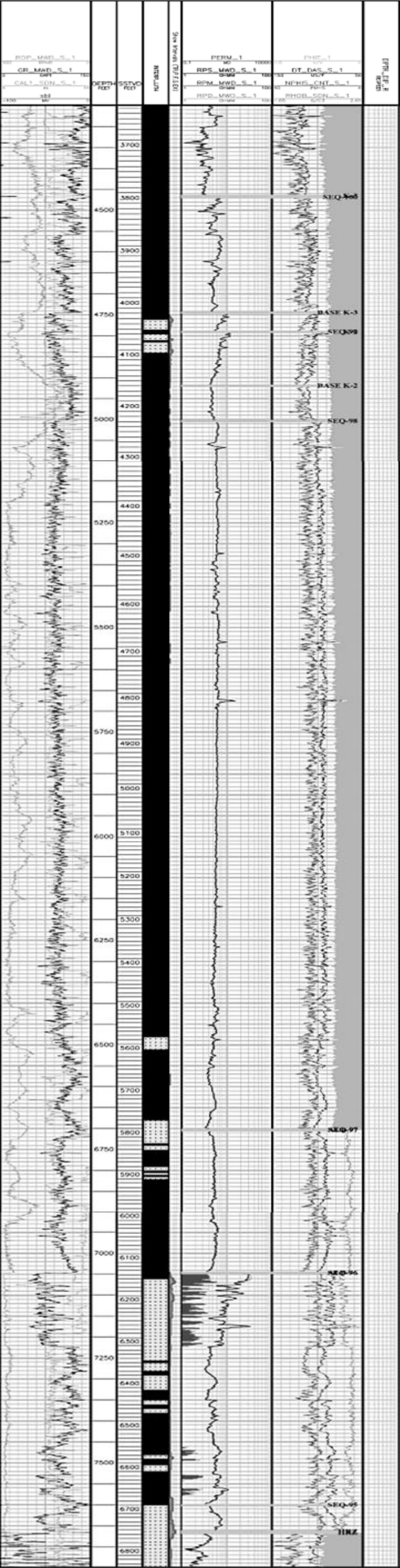
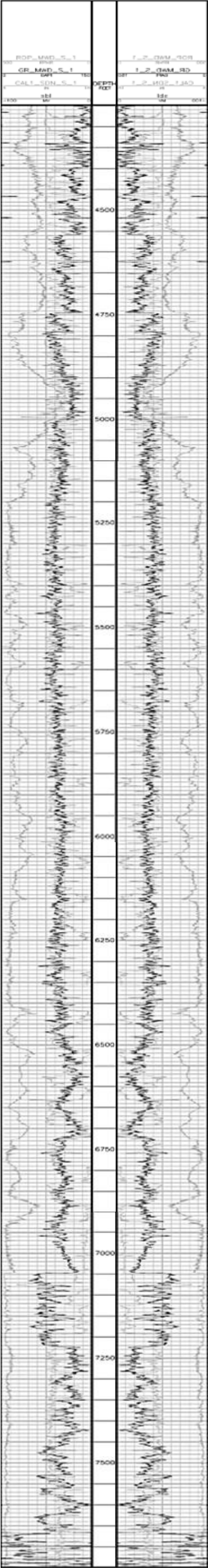


Composite Log



“Butterfly Display”
Opposing GR curves

250ft

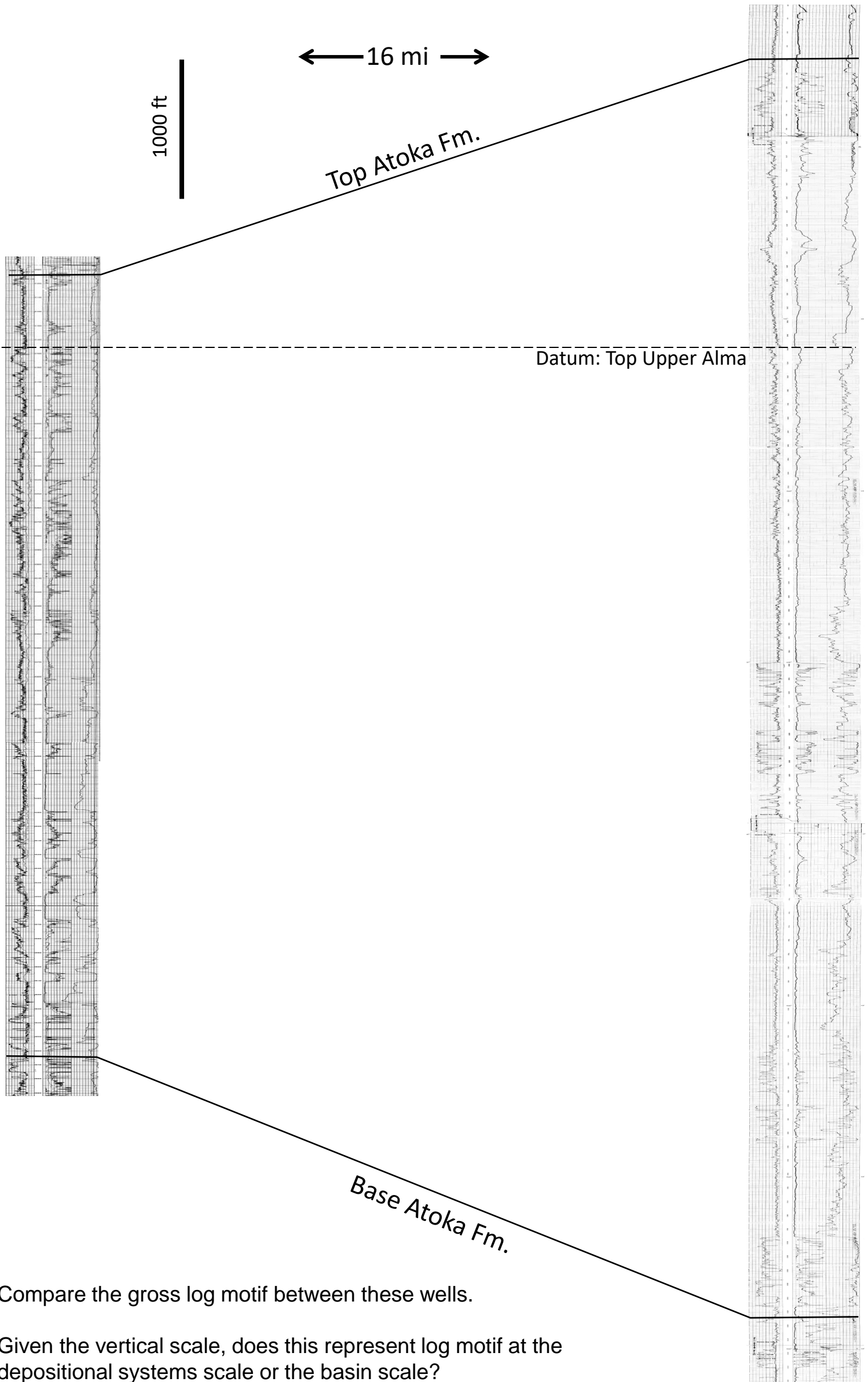


Exercise 1

Basin Fill Motif

Divide the well log into large scale packages based on log motif. (3 to 5 packages)

Given the gross interval thickness, what do these divisions represent?



Compare the gross log motif between these wells.

Given the vertical scale, does this represent log motif at the depositional systems scale or the basin scale?

Can you suggest a proximal to distal transition?

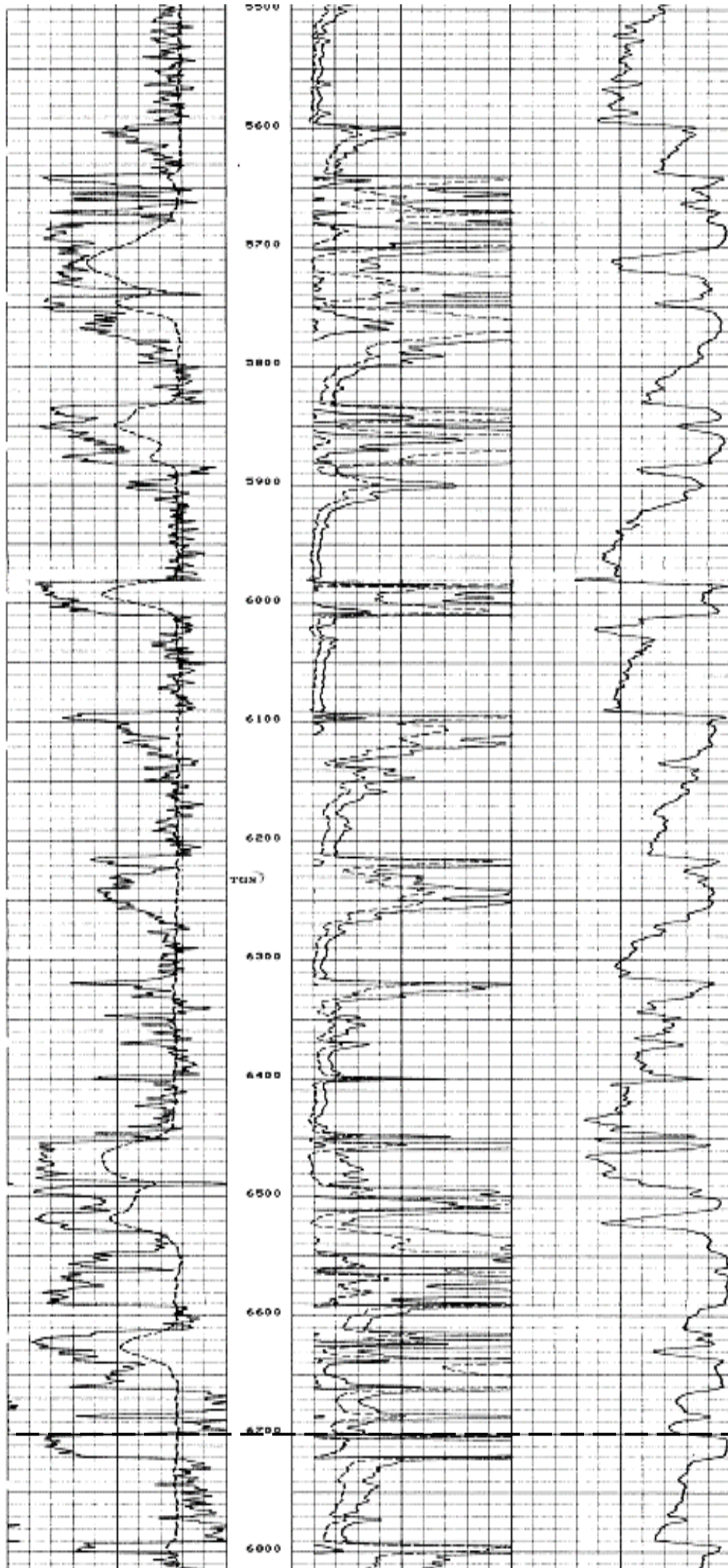
Exercise 2: Basin scale log motif

Exercise 3: Stratigraphic Cyclicity

Divide the well log into large scale packages based on log motif. (3 to 5 packages, 100 – 300ft in thickness)

Given the gross interval thickness, what do these divisions represent?

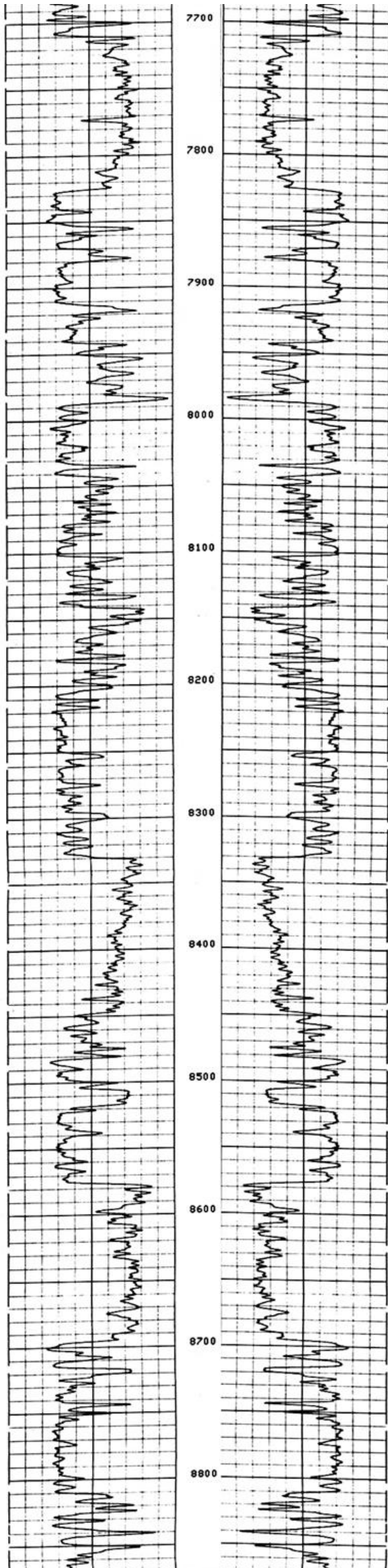
Do you see a pattern in vertical stacking?



Atoka
Morrow

Exercise 5: Stratigraphic Cyclicity and Log Motif

Arco Expl. Peeler Gap 1-32 32-5N-22W



- How many scales of cyclicity would you divide this deepwater succession into?
- Can you speculate on stratigraphic architecture (layered sheets, amalgamated sheets, etc.) or depositional elements based on log motif (lobe complex, channel/levee etc.)?