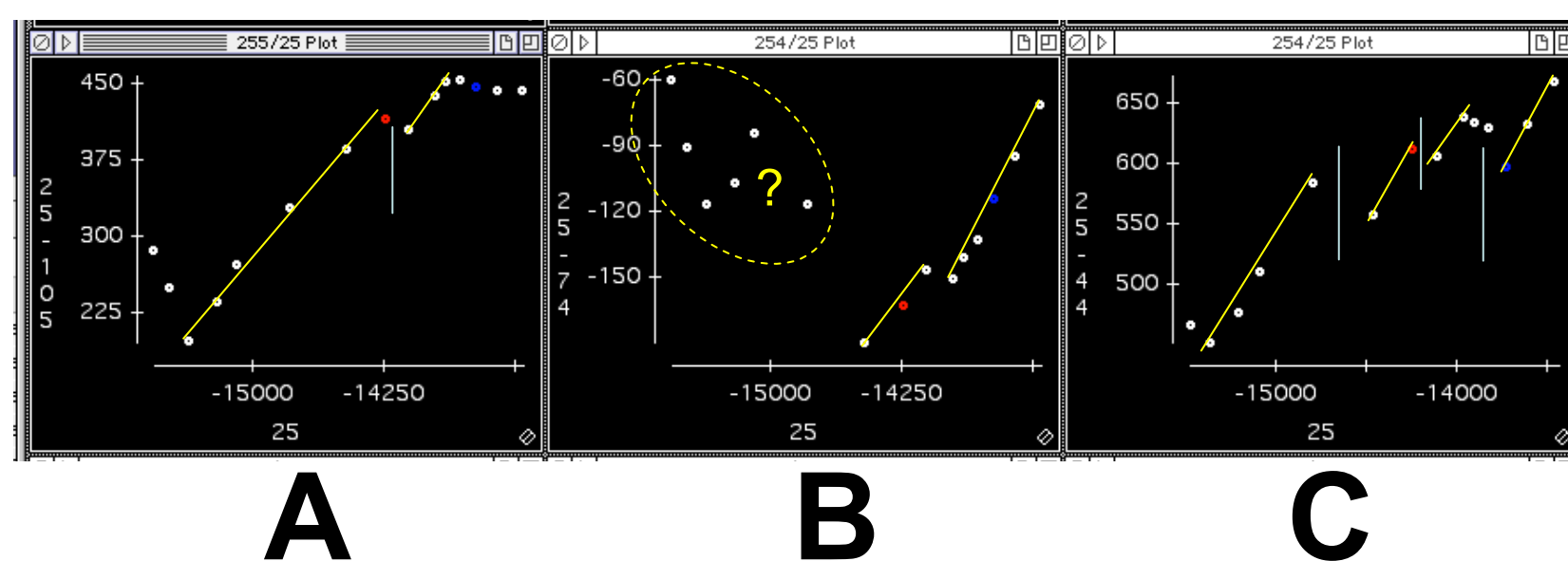


COHERENCY OF VARIOUS INTERPRETATIONS VALIDATED BY THE MBPA

Within common zone of interest
12 markers for interpretation 1
18 markers for interpretation 2
(50% more markers)

Selected wells from
Santa Barbara Field
Venezuela

CONTRACTOR 1
Conventional stratigraphy



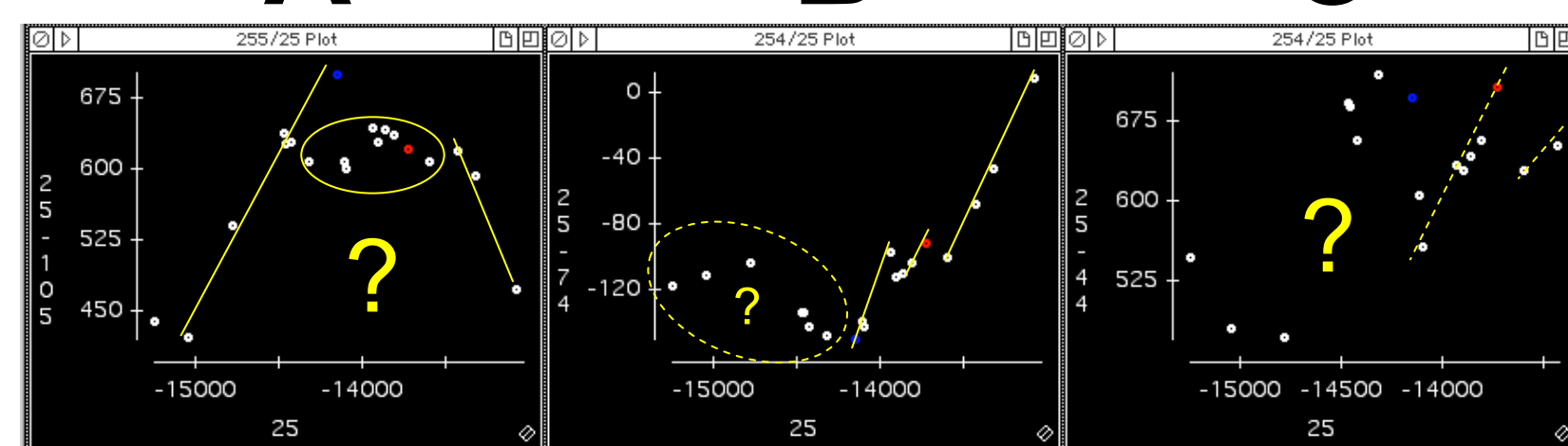
A and C coherent

B: neighboring wells
similar coherence
in both interpretations

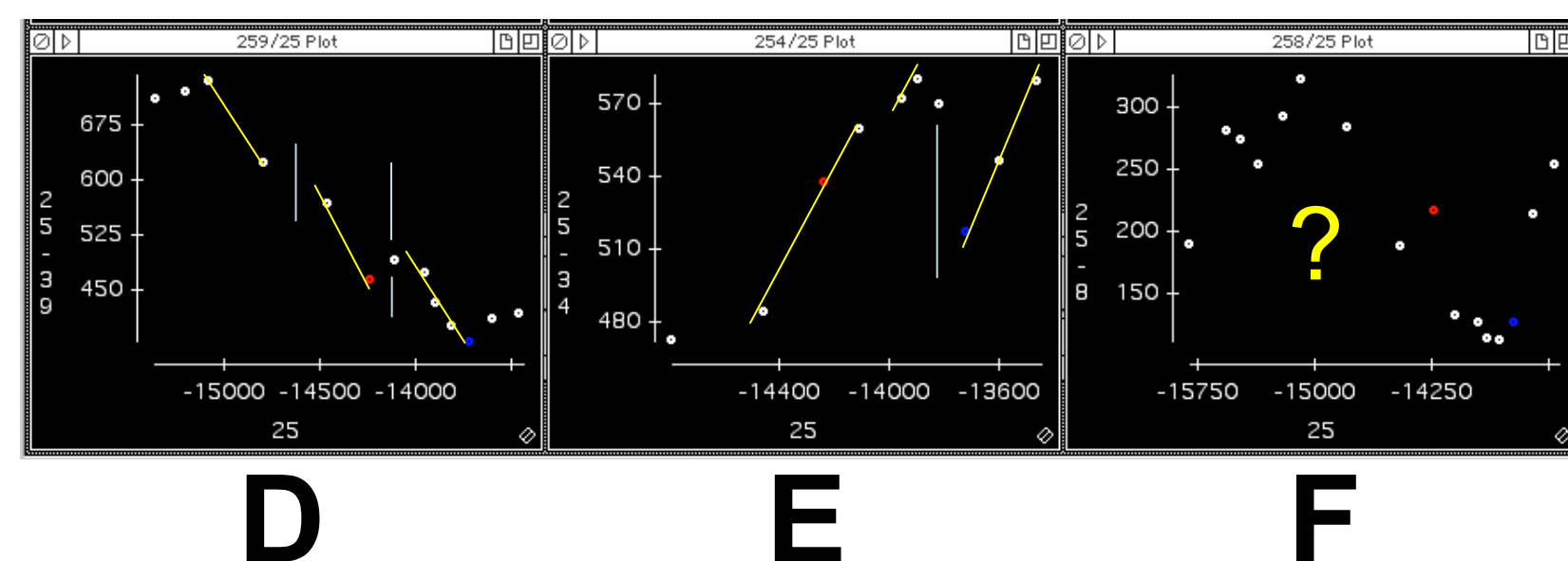
A and C incoherent

**More layers do
not mean more
reliable stratigraphy**

CONTRACTOR 2
Sequence stratigraphy
50% more markers



CONTRACTOR 1
Conventional stratigraphy

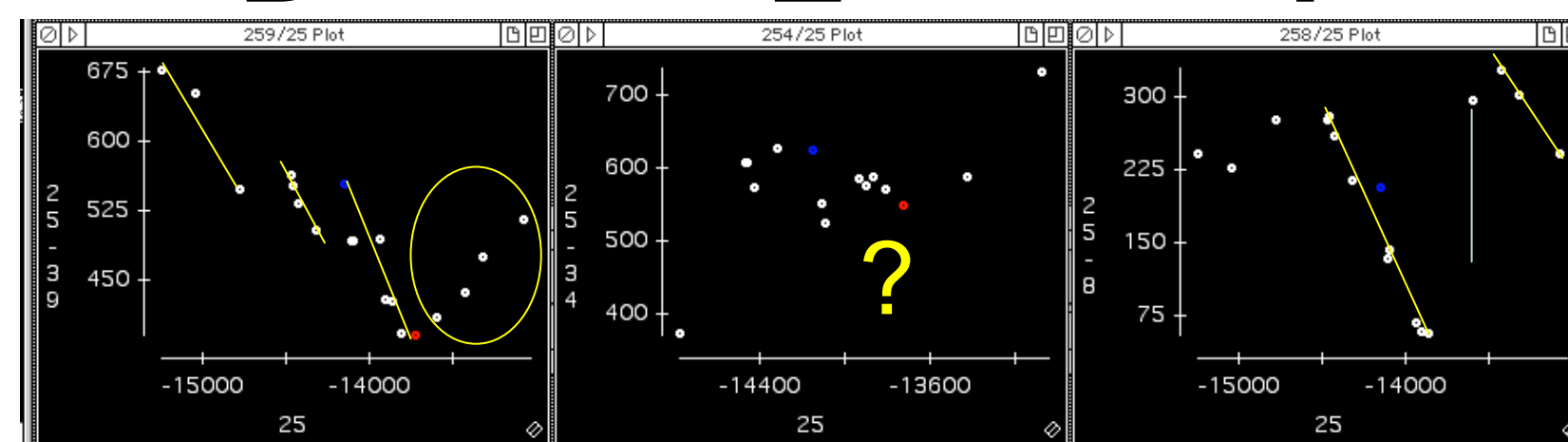


D and E coherent

F problematic

**Sequence stratigraphy
does not automatically
mean correctness**

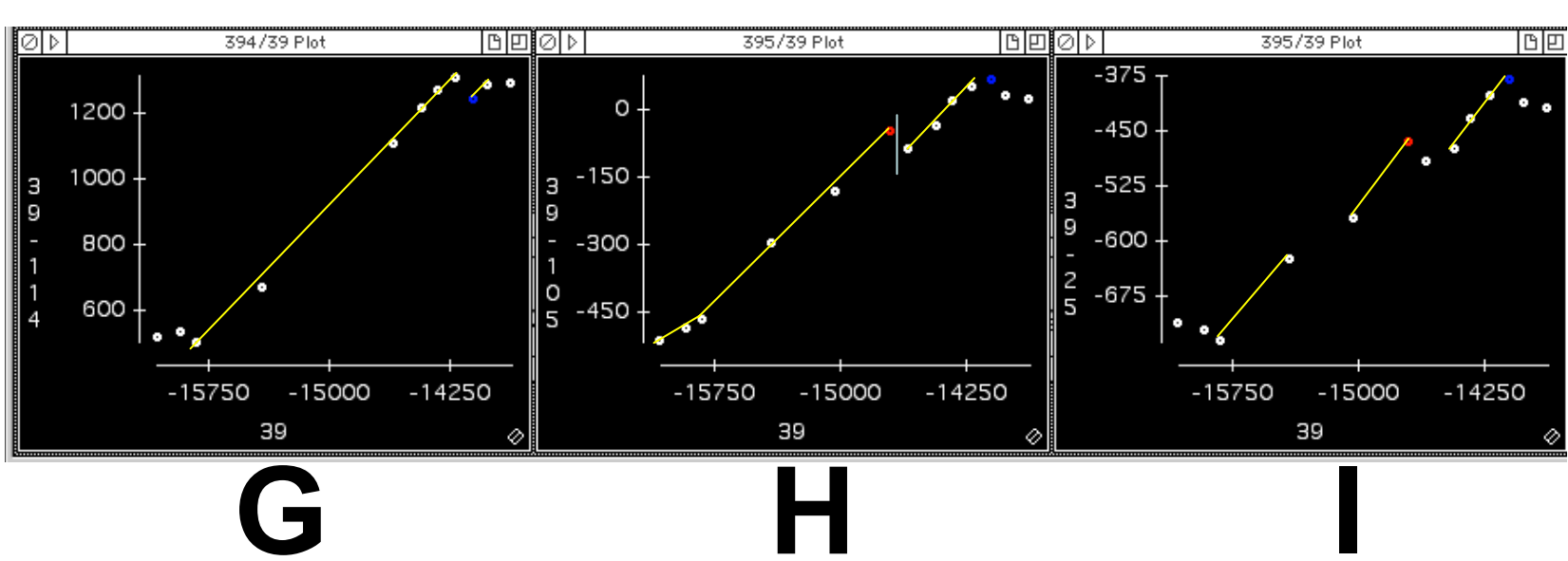
CONTRACTOR 2
Sequence stratigraphy
50% more markers



D and F acceptable

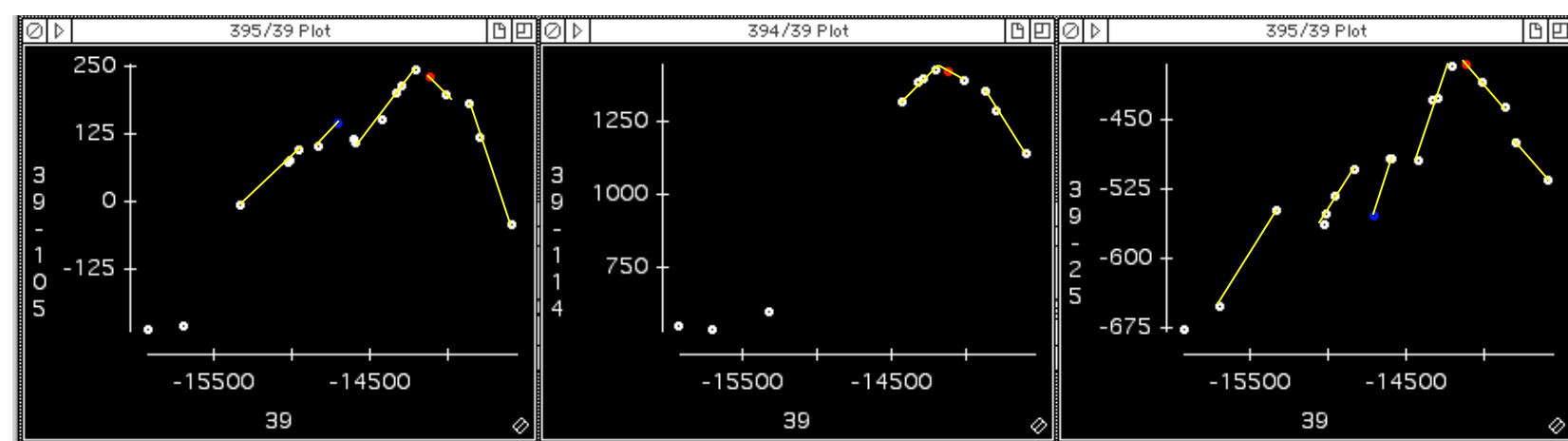
E problematic

CONTRACTOR 1
Conventional stratigraphy

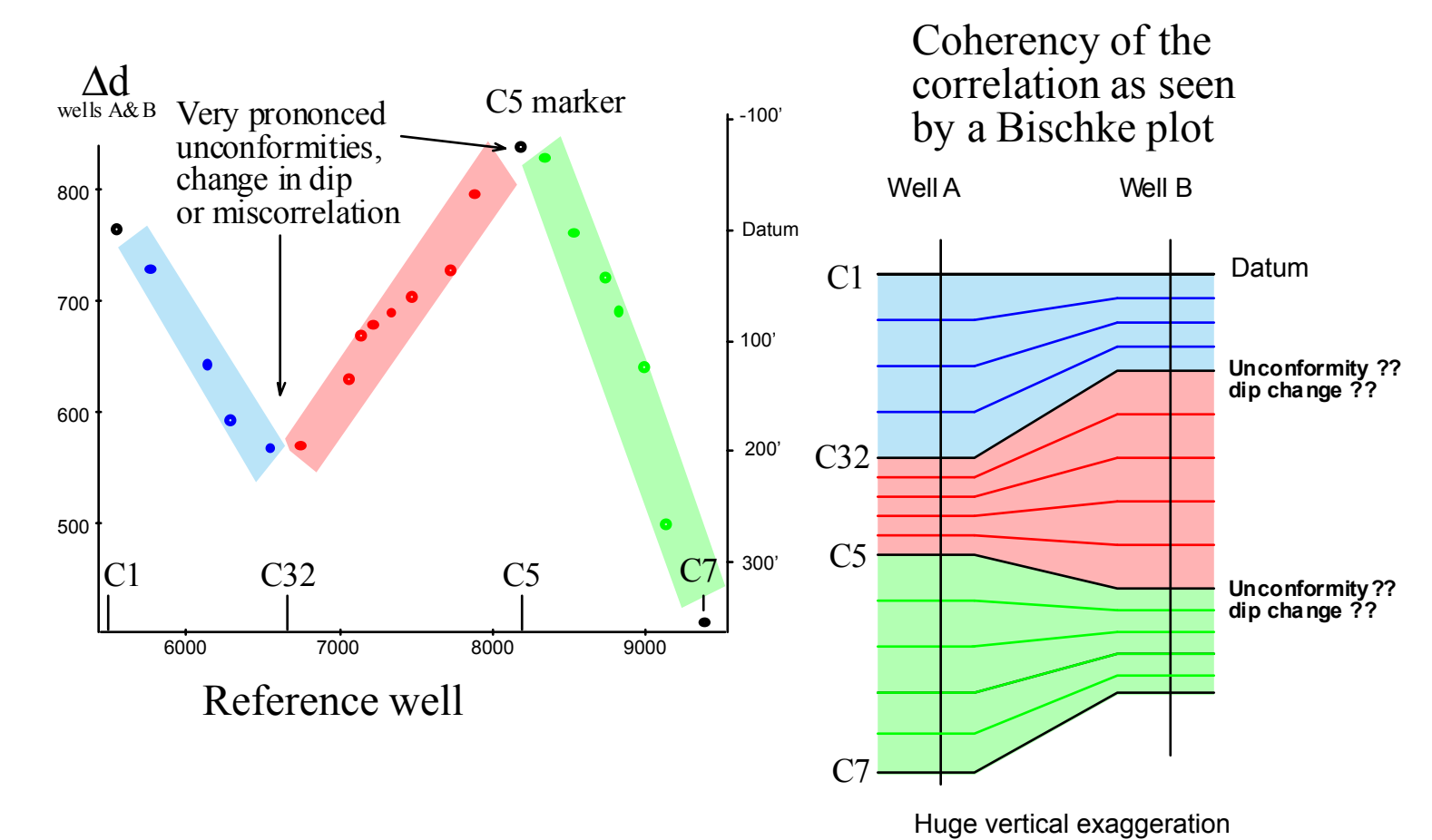


All three are coherent

CONTRACTOR 2
Sequence stratigraphy
50% more markers



All three problematic &
Wrong Stratigraphy
below the red marker
In the reference well



Visualization of a correlation problem through the use of a Bischke Plot
Example from VLA-31 block (Maracaibo) Chatellier et al. 1999

**It is better to be approximately right than
precisely wrong**

**The MBPA allows one to analyze objectively the relative
coherency of various interpretations**