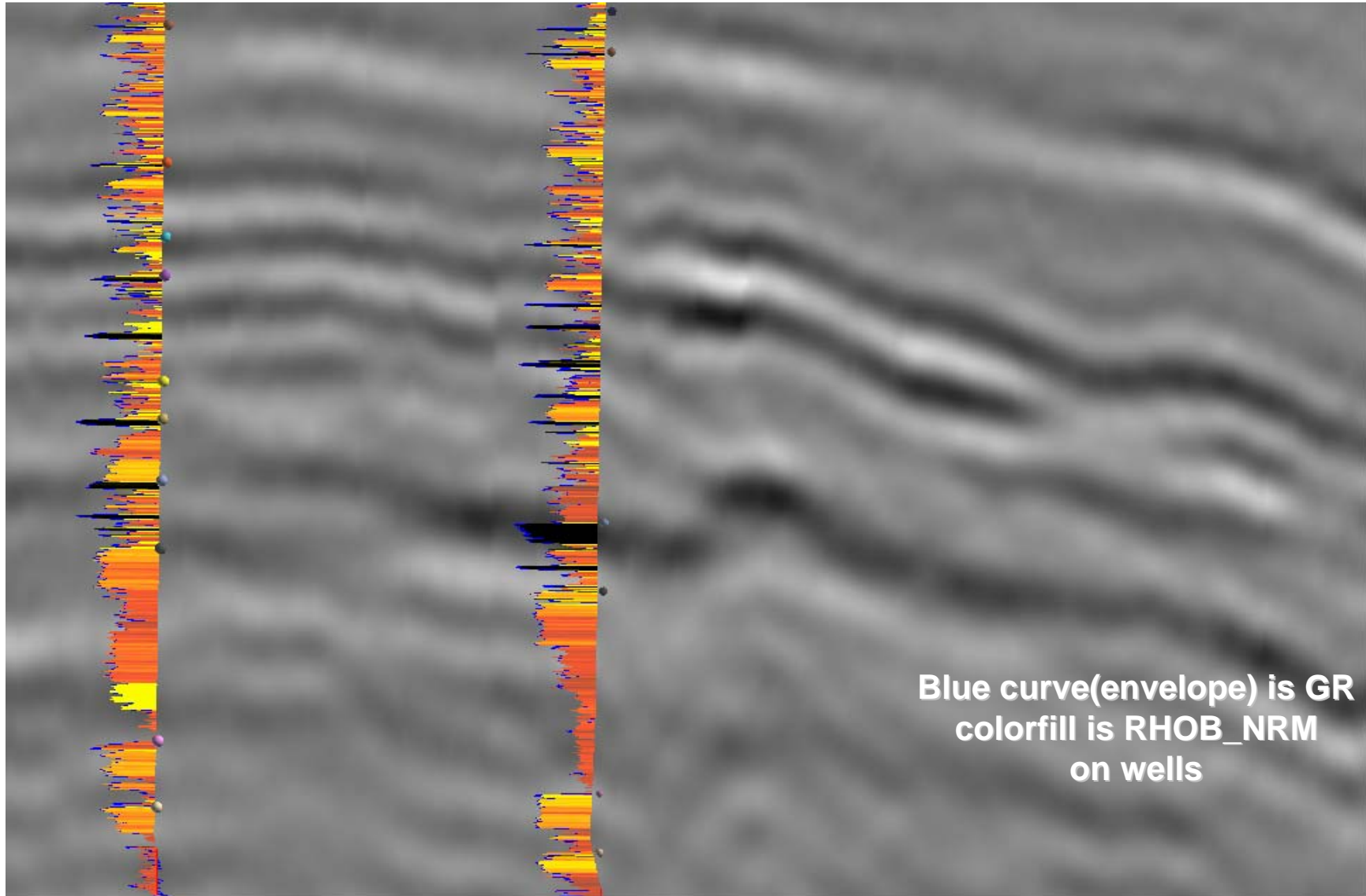


Hi-Res Categorical Classification
of 3D Migrated Amplitude Data
Using Principal Component Analysis (PCA)
-Piceance Basin, Colorado-

Amplitude 1ms sample rate (original data, grey-scale)

Well 1

Well 2



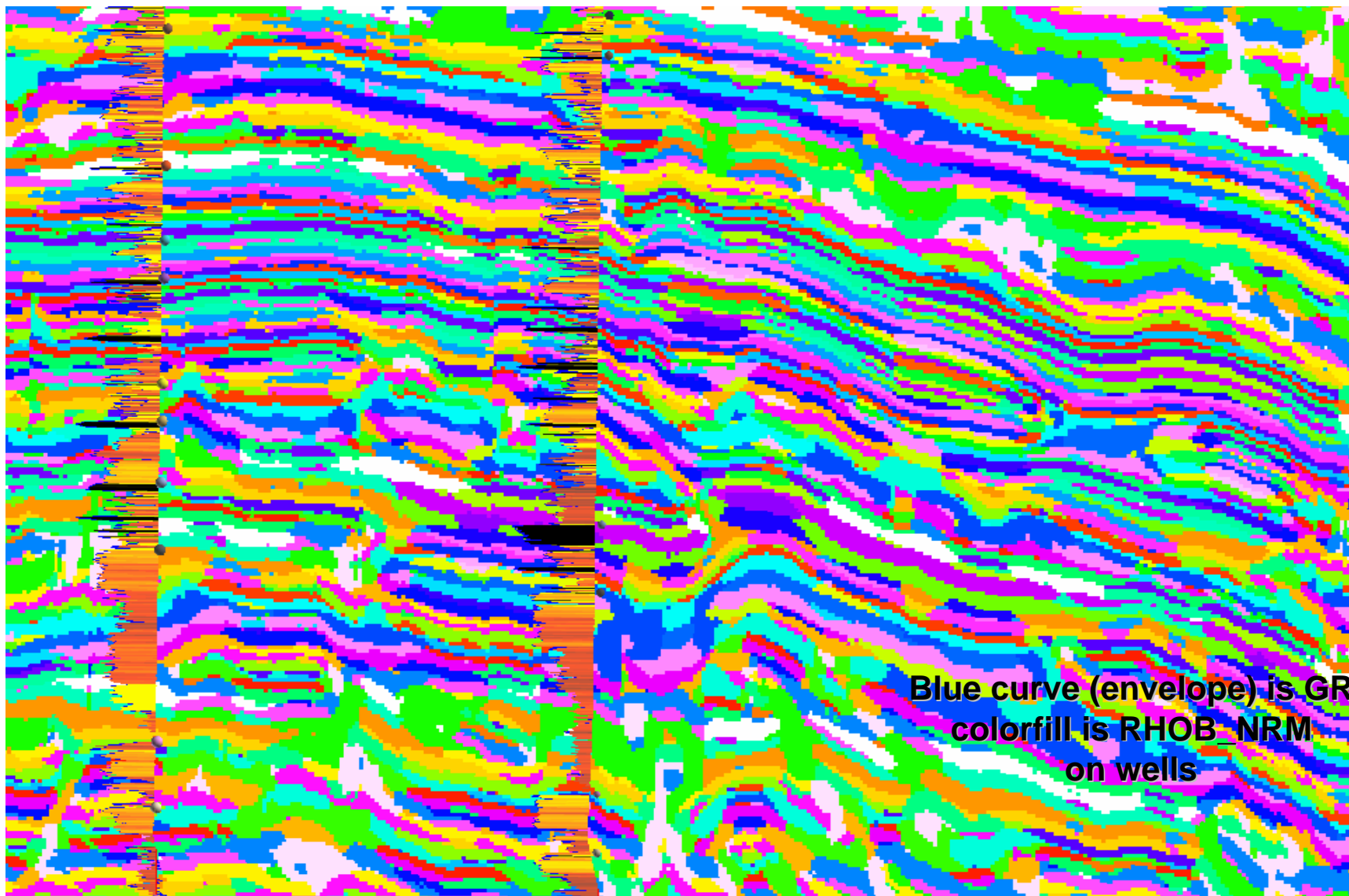
01/02/2003

Scheevel Geo Technologies, LLC 2003

PCA classes computed from 13ms vertical sample-window (1ms data)

Well 1

Well 2



Blue curve (envelope) is GR
colorfill is RHOB_NRM
on wells

Timeslice-view, Structural-Detail and Resolution Enhancement:
Amplitude **(left)**
vs.
50 PCA-classes from 13ms vertical sample-window **(right)**

