Accurate velocity model building **NO TOMOGRAPHY**

**Synthetic Elastic Model**

**PreSTM Starting model iter-0**

**Starting Velocity model From PreSTM**

**PreSDM model iter-5**

**Final Velocity model 5-iterations NO Tomography**

**PreSTM model iter-5 + Salt NO Tomography**

**Tomography often leads to erroneous models that do not resemble geology.**

Shots were generated using Elastic forward modelling in both examples. PreSDM using Iterative Focussing techniques to build the velocity model.

Conventional velocity modelling used by the industry relies on tomography. The initial model is normally inaccurate. Subsequent tomographic iterations propagate errors into the model.

SIP’s technology derives velocity and ETA fields whilst constraining these based on correctly migrated gathers and structural framework. This iterative approach minimises error providing a superior velocity model and migrated image.