

## **Delaware Basin: Characterizing the Lower Abo Horizontal Oil Play Using Seismic**

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### **ABSTRACT**

The Lower Abo (LABO) reservoir formation is located along the Northern Shelf of the Delaware Basin. The porosity within the LABO occurs within dolomitized mudstone units. In this case study, three critical elements characterize the best performing wells within the LABO were: rock quality, proximity to dolomitized mudstone-pinchout, and structure. Seismic allows one to solve for all three parameters and provide better lateral resolution compared to vertical well control.