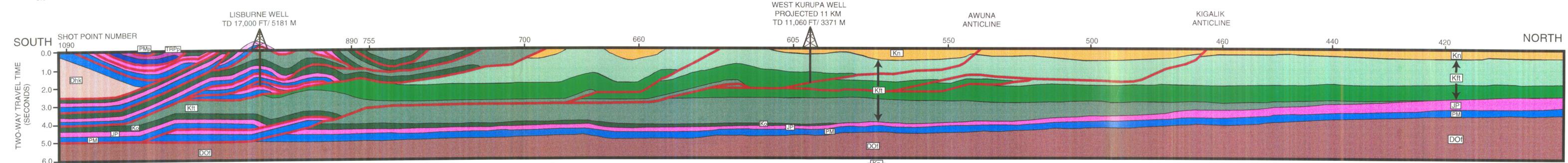
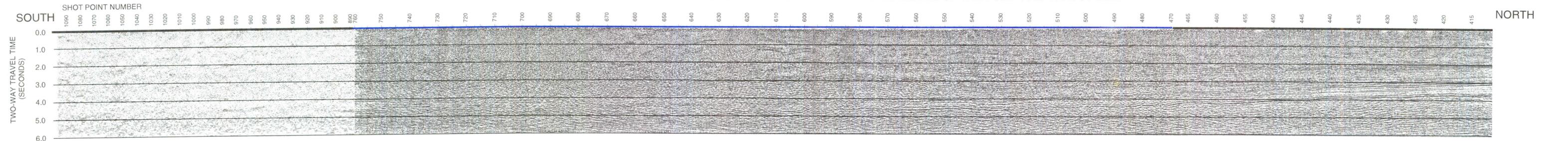
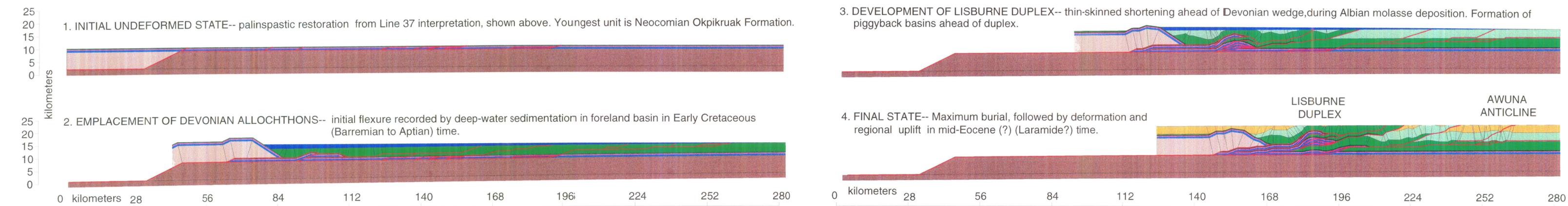


II. SEISMIC INTERPRETATION OF LINE 37 AND FORWARD KINEMATIC MODEL OF THE FOLD- AND THRUST-BELT



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|--|---|--|---|
| Devonian shale and sandstone of Kanayut and Hunt Fork formations. | Pennsylvanian to Triassic chert, mudstone, and shale of Picnic Creek allochthon (Imnaitchiak chert). | Early Cretaceous (Berriasian to Valanginian) shale and greywacke of Okpikruak Formation. | Albian to Cenomanian sandstone, conglomerate, and coal of Nanushuk Group. |
| Ordovician through Devonian low-grade metasedimentary rocks of Franklinian sequence. | Mississippian to Pennsylvanian chert, sandstone, and limestone of Picnic Creek allochthon (Akmalik chert and Kurupa sandstone). | Jurassic to Permian chert, shale, limestone, and mudstone of Etivluk Group. | Barremian (?) to Albian shale, sandstone, and conglomerate of Fortress Mountain and Torok Formations. Lower, middle, and upper units shown. |
| | Mississippian to Pennsylvanian dolostone, limestone, shale, and minor chert of Lisburne Group and Kayak shale. | | |



Models generated with Thrustpack software, developed by the Institut Français du Pétrole, and used courtesy of IFP, Chevron, Instituto Mexicano del Petróleo, and INTEVEP.

KINEMATIC AND SUBSIDENCE MODELING OF THE NORTH-CENTRAL BROOKS RANGE AND NORTH SLOPE OF ALASKA

By
Frances Cole, Kenneth J. Bird, Jaime Toro, François Roure, and David G. Howell
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