

ation (test

————— Iola Anticline —————

— Sangamon Arch (paleostructure during Silurian and Devonian time)

- Downs Anticline -



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SEISMIC REFLECTION SECTION (see drill hole location map)

The north-to-south, unmigrated seismic reflection section is located in Richland County, Illinois. It was reprinted, with permission, from the American Association of Petroleum Geologists' Memoir 51 (Leighton et al. 1991, p. 259).

Major reflectors typically seen on seismic sections of the basin are labeled and portray the low angle of structural trends (no vertical exaggeration for a conversion velocity of 6 km/s). Below 2 seconds, several reflectors, including some generally north-dipping, are apparent in the crystalline basement. Several explanations have been suggested for these reflectors (see discussion in booklet; also Pratt et al. 1989).

