

Abstract

Dynamic Mapping of Kansas Petroleum Data With ArcSDE and ArcIMS

Track: Petroleum

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The Kansas Geological Survey (www.kgs.ku.edu) is a major repository of petroleum data for the State of Kansas. It has an extensive collection of well, lease, field, and production data in an RDBMS. The data is inherently geographic (fields and wells have specific legal locations) but it is not currently geographically visible. We have developed an ArcIMS application that dynamically renders tabular legal field boundaries based on the Public Land Survey System (down to parcel sizes as small as ten acres) with spatial PLSS data sets. We use ArcIMS and ArcSDE to spatially and graphically integrate large tabular data sets.

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