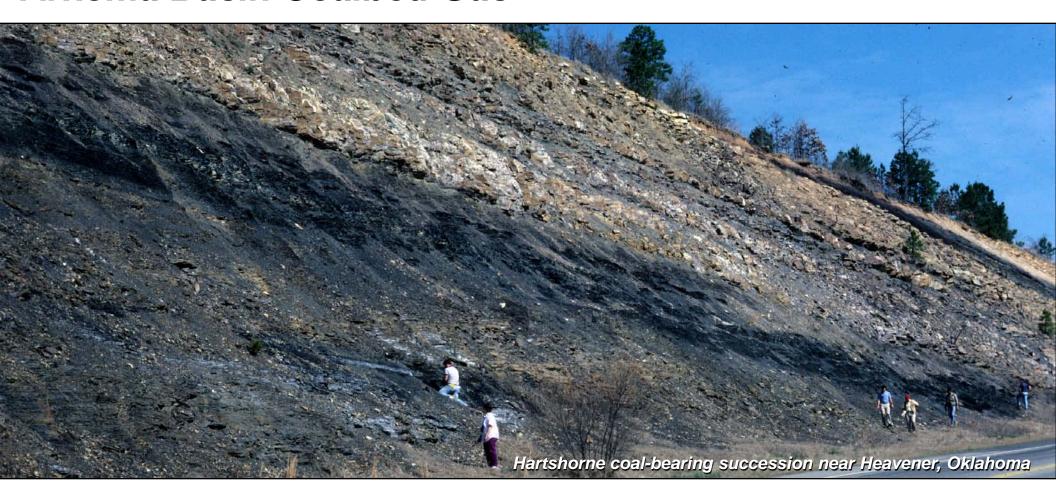


# Natural Gas Assessment of the Arkoma Basin, Ouachita Thrust Belt, and Reelfoot Rift Arkoma Basin Coalbed Gas

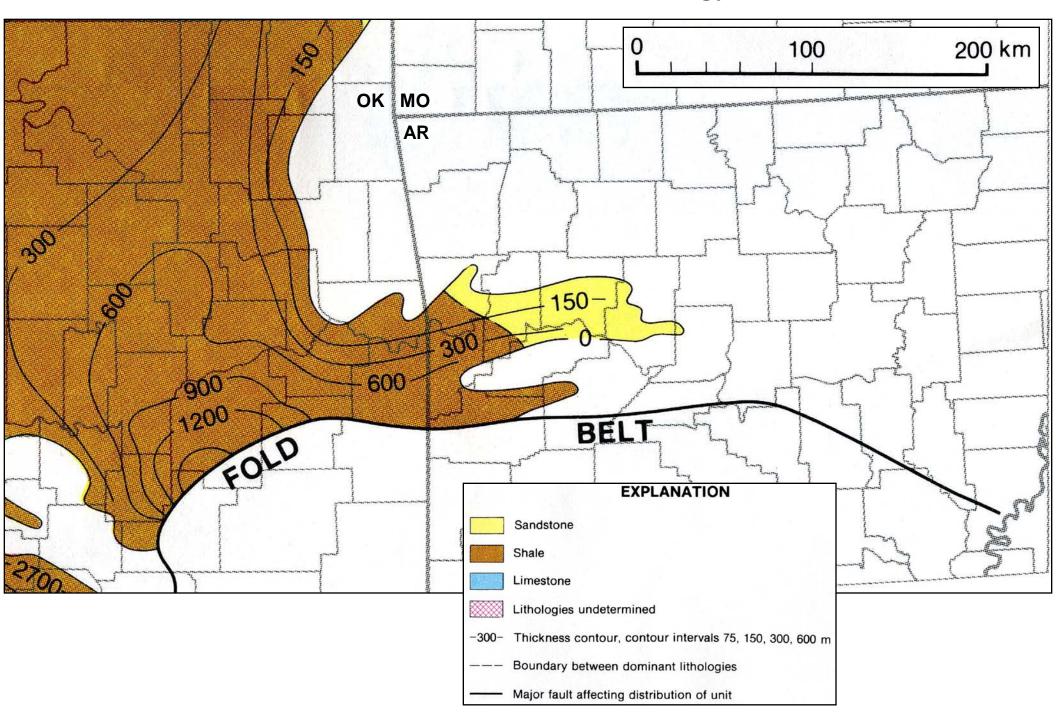


#### **Bob Milici & Dave Houseknecht**

**U.S. Department of the Interior** 

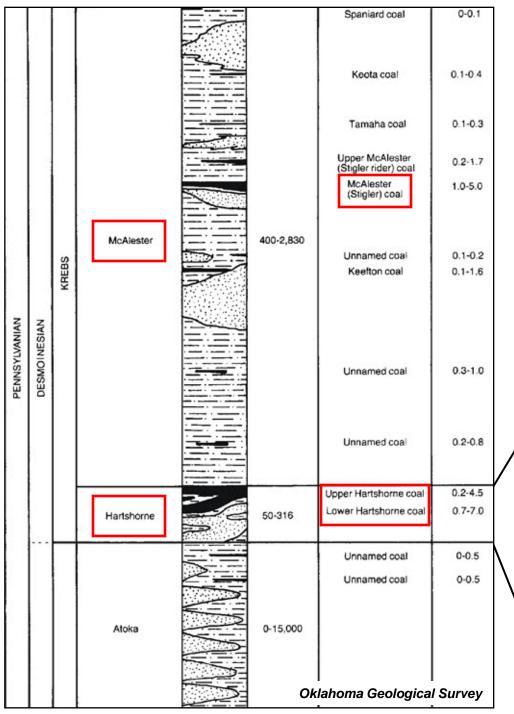
**U.S. Geological Survey** 

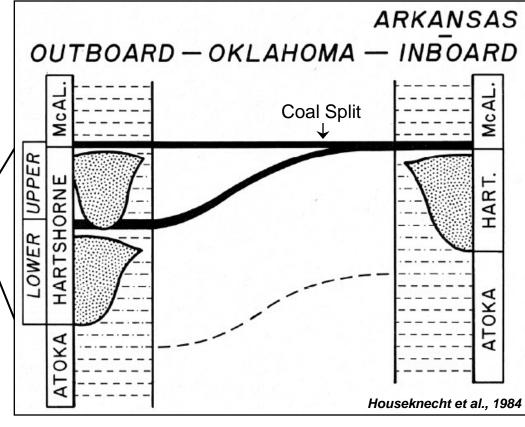
#### Desmoinesian Series - Thickness & Dominant Lithology





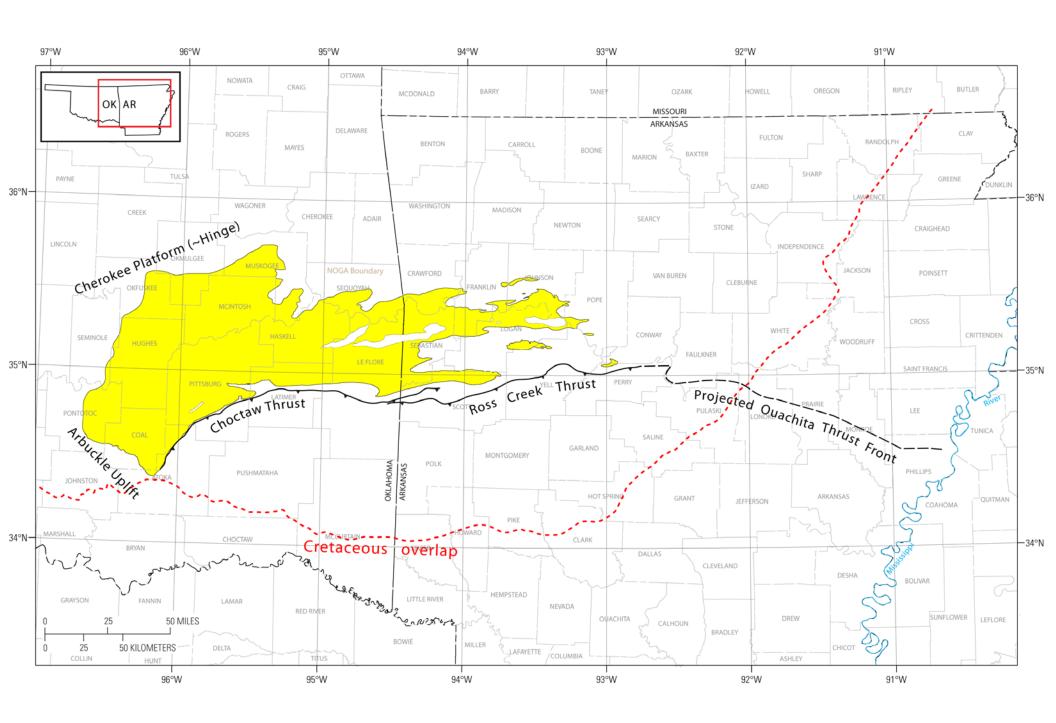
#### Generalized Stratigraphy of Coal-Bearing Strata, Arkoma Basin





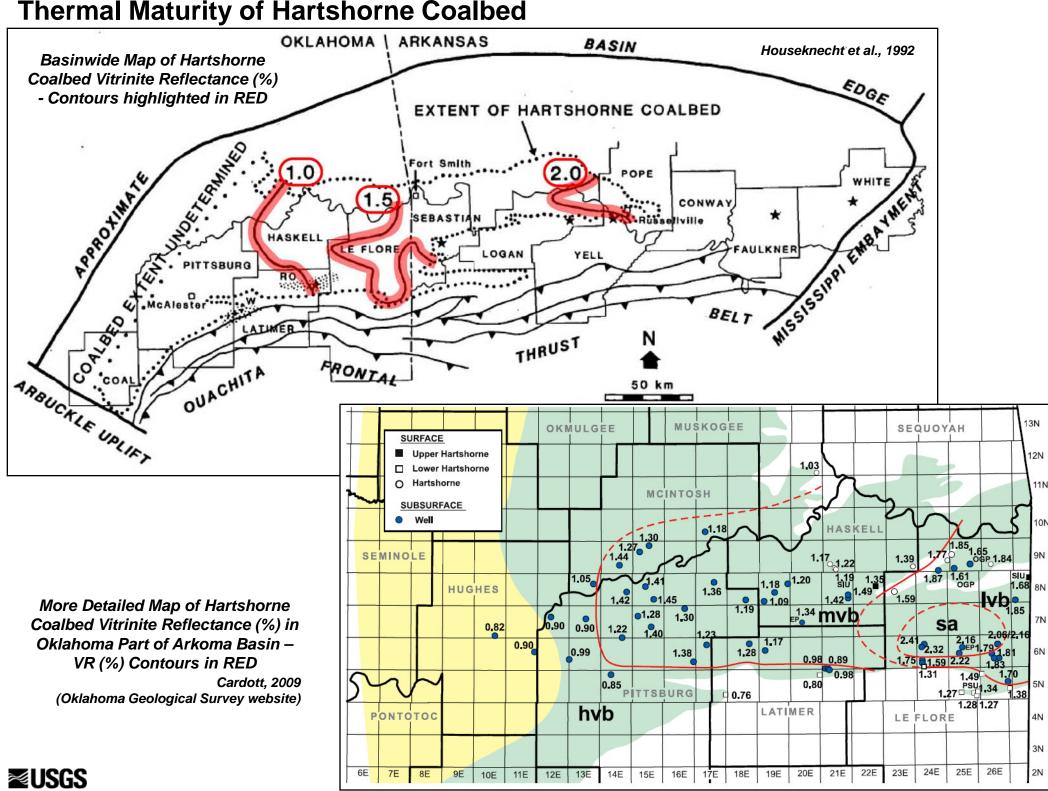


#### **Distribution of Hartshorne Formation**

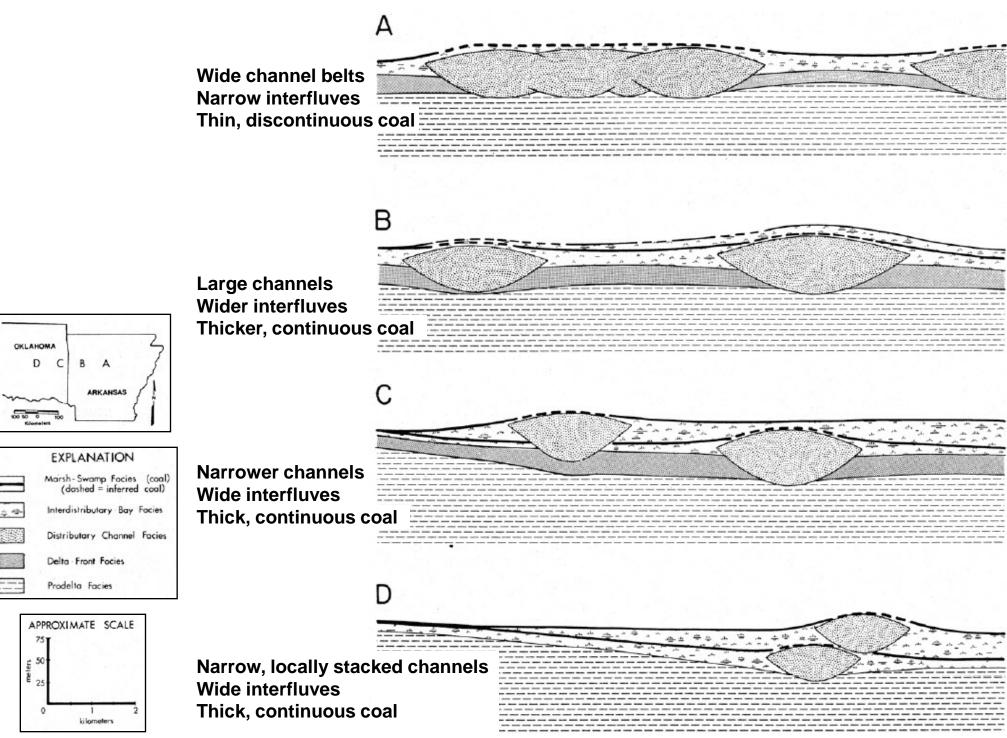




#### **Thermal Maturity of Hartshorne Coalbed**

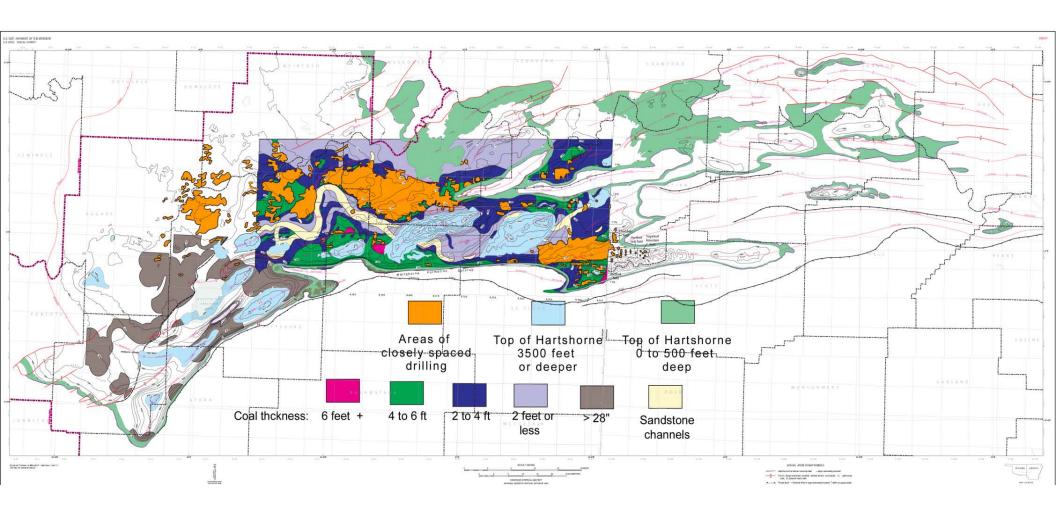


### Hartshorne Facies & Potential for Thick, Laterally Continuous Coalbeds



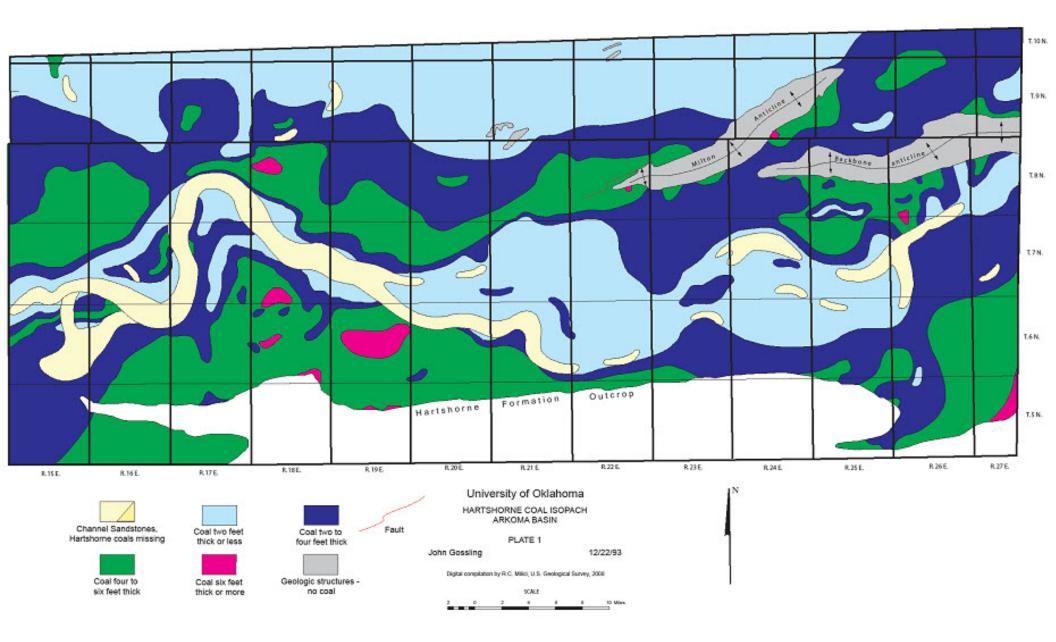


# Hartshorne Coal\* Thickness & Areas of Concentrated Coalbed Gas Development \*Undivided North of Split Line; Lower Coal South of Split Line



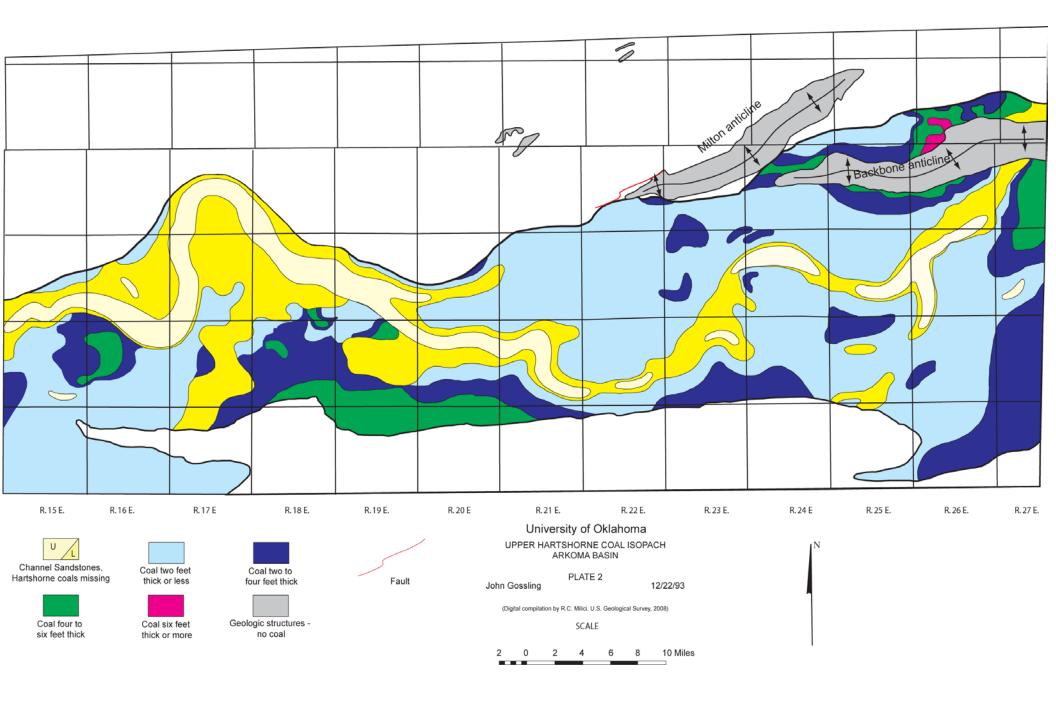


## Hartshorne Coal\* Thickness & Channel Sandstone Distribution \*Undivided North of Split Line; Lower Coal South of Split Line





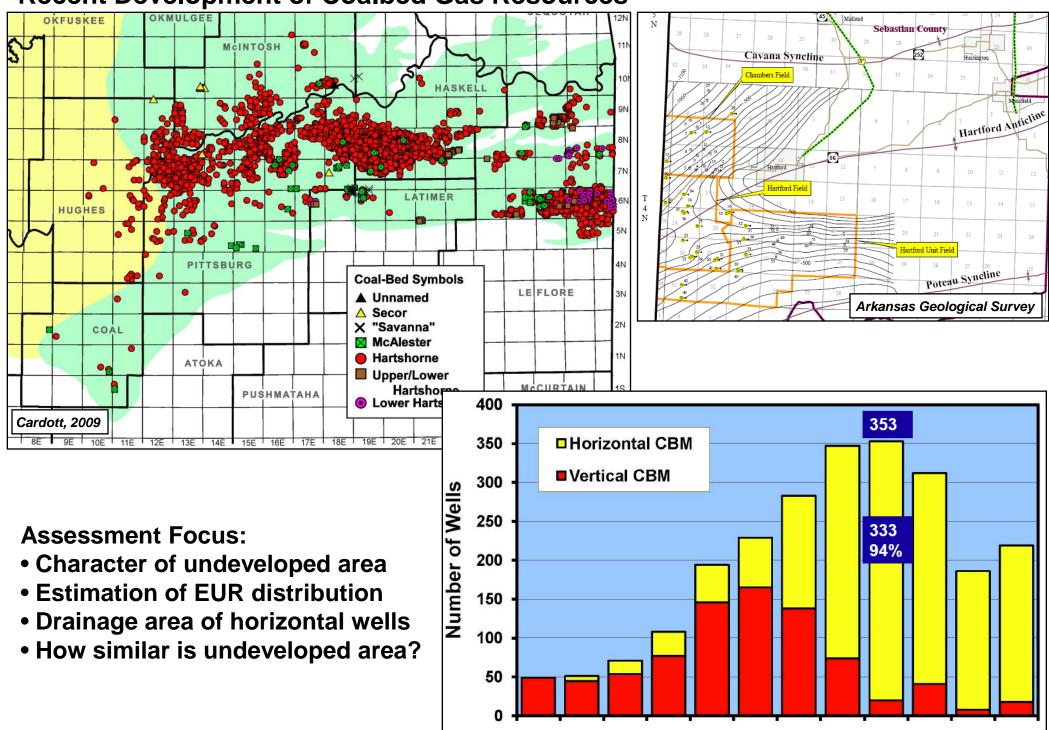
## **Upper Hartshorne Coal Thickness & Channel Sandstone Distribution**





**Recent Development of Coalbed Gas Resources** 

**₩USGS** 



1997 1998 1999 2000 2001 2002 2003 2004 2005 2006 2007 2008

Year

Cardott, 2009