

A three-sided orogen: a new tectonic model for Ancestral Rocky Mountain uplift and basin development: Supplemental data

Ryan Leary¹, Paul Umhoefer¹, M. Elliot Smith¹, Nancy Riggs¹

¹ *School of Earth Sciences and Environmental Sustainability, Northern Arizona University, Flagstaff, AZ 86011*

Sources for Figs. 1, 2, and 4

NOTE: All numerical ages in Fig. 4 derived from correlations with Ross and Ross (2009), Heckel (2008), Schmitz and Davydov (2012), and Shen et al. (2013); timescale based on Cohen et al. (2013 updated). Initiation of subsidence is defined as the biostratigraphic age at which ARM basins began accumulating sediment and at which Ouachita-Marathon basins began accumulating post-collisional clastic detritus. In ARM basins, most biostratigraphic ages are based on fusulinids, and age designations finer than North American Stages are speculative.

Delaware and Midland Basins: Cys and Gibson, 1988; Adams et al., 1965; Ye et al., 1996 and references therein; Pioneer Natural Resources Proprietary data.

Bird Springs Basin: Stevens and Stone, 2007; Stone et al., 2013

Holbrook Basin: McKee and Mckee, 1967; Rasco and Baars, 1972; Rauzi, 2003; Blakey, 2008

Wood River Basin: Mahoney et al., 1991; Geslin, 1998

Oquirrh Basin: Geslin, 1998; Jordan and Douglas, 1980

Keeler Canyon/Darwin Basin: Stevens and Stone, 1988; Miller and Heller, 1994

Eagle Basin: Johnson, 1987; Blakey, 2009; Soreghan et al., 2014

Paradox Basin: Mallory, 1972; Rasco and Baars, 1972; Barbeau, 2003; Blakey, 2009

Taos Trough: Soegaard, 1990; Hoy and Ridgway, 2002; Blakey, 2008; Krainer et al., 2011

Pedregosa Basin: Ross, 1973; Greenwood et al., 1977; Armin, 1987; Blakey and Knepp, 1989; Ye et al., 1996

Orogrande Basin: McKee and McKee, 1967; Soreghan, 1994; Kues and Giles, 2004

Anadarko Basin: Ham and Wilson, 1976; Garner and Turcotte, 1984; Ball et al., 1991; Soreghan et al., 2012

Palo Duro Basin: Ham and Wilson, 1976; Handford and Dutton, 1980; Budnik, 1984

Marfa Basin: Ross, 1986; Frenzel et al., 1988

Val Verde Basin: McKee and McKee, 1967; Ewing, 1985; Wuellner et al., 1986

Fort Worth Basin: Walper, 1982; Pollastro et al., 2003; Hentz et al., 2012

Ardmore Basin: Ham and Wilson, 1976; Granath, 1989

Arkoma Basin: McKee and McKee, 1967; Sutherland, 1988

Black Warrior Basin: Mellen, 1947; Thomas, 1988; Whiting and Thomas, 1994

Sweetwater Trough: Rasco and Baars, 1972; Mallory, 1972; McKee, 1975

Denver Basin: Rasco and Baars, 1972; Mallory, 1972

Sources for Fault Traces (Fig. 1B): McConnell, 1989; Granath, 1989; Shumaker, 1992; Ye et al., 1996; Brister et al., 2002; Marshak et al., 2003.

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