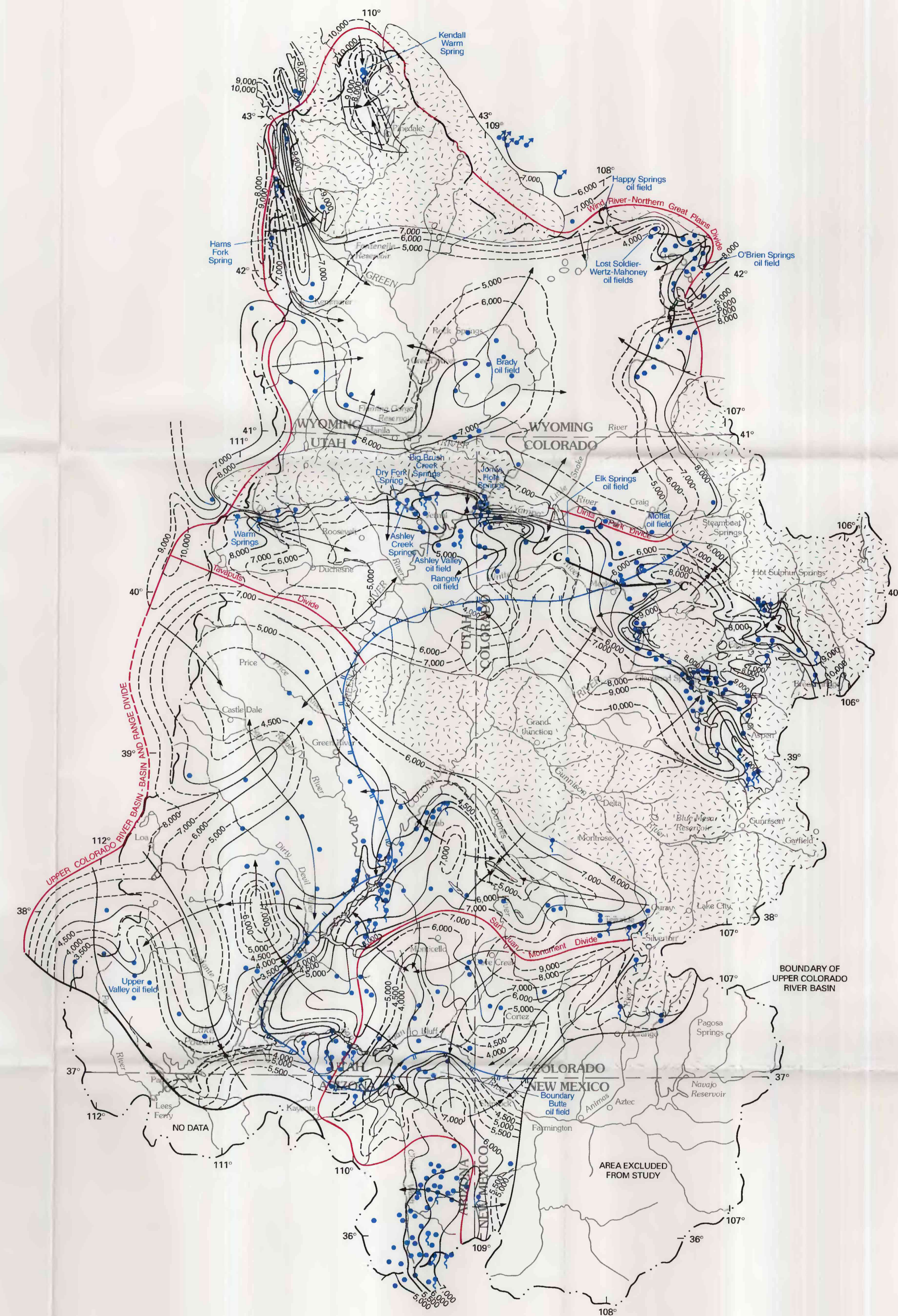


REDWALL-LEADVILLE ZONE OF MADISON AQUIFER



WEBER-DE CHELLY AND CUTLER-MAROON ZONES OF CANYONLANDS AQUIFER

EXPLANATION

- Area where the Redwall-Leadville, Weber-De Chelly, or Cutler-Maroon zone is missing because of erosion or nondeposition
- Potentiometric contour—Shows altitude at which water level would have stood in tightly cased wells. Dashed where approximately located. Arrow indicates direction of ground-water movement assuming the aquifer is isotropic. Contour interval, in feet, is variable. National Geodetic Vertical Datum of 1929. For the Weber-De Chelly and Cutler-Maroon aquifers, potentiometric contours south of latitude 37° are based in part on Cooley and others (1969, fig. 9); Levings and Farrar (1977a, 1977b, 1977c); and Eychaner (1983, fig. 3); potentiometric contours between Grand Junction and Glenwood Springs, Colorado, are based in part on topography
- Limit of data
- Ground-water divide—Dashed where approximately located
- B—B' Location of hydrogeologic section shown in figures 94 and 98
- Eastern extent of Weber-De Chelly zone as a fully saturated, productive hydrogeologic unit—East of this line the Weber-De Chelly zone pinches out and where present is partially saturated to unsaturated. The principal productive zone in the Canyonlands aquifer east of the line is the Cutler-Maroon zone. Heads shown west of the line are for the Weber-De Chelly zone. Heads shown east of the line are for the Cutler-Maroon zone. At the line heads in the Weber-De Chelly and Cutler-Maroon zones are equal, and heads for both zones are shown
- Data sites**
- Borehole—Static water level is plotted
- Flowing well—Altitude of land surface is plotted if static water level is not known
- Spring—Altitude of land surface is plotted. Springs with discharges of 1,000 gallons per minute or more are plotted
- Sink—Altitude of land surface is plotted

Base from U.S. Geological Survey U.S. base map, 1:2,500,000

POTENTIOMETRIC SURFACES OF THE MADISON AND CANYONLANDS AQUIFERS IN THE UPPER COLORADO RIVER BASIN AND VICINITY, IN ARIZONA, COLORADO, NEW MEXICO, UTAH, AND WYOMING

By
 Arthur L. Geldon
 2002