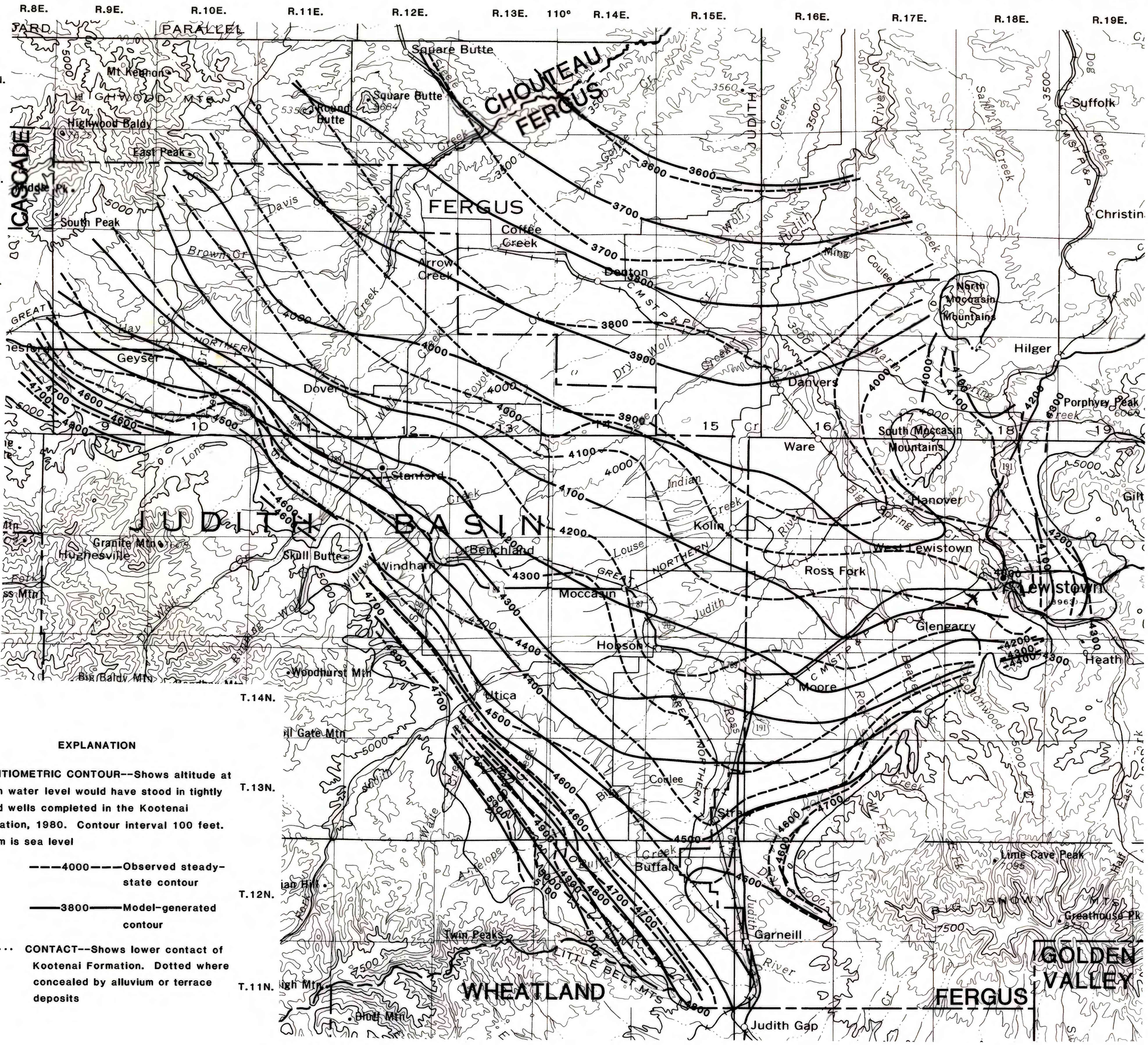
UNITED STATES DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

WATER-RESOURCES INVESTIGATIONS REPORT 83-4146
PLATE 1



EXPLANATION

POTENTIOMETRIC CONTOUR--Shows altitude at which water level would have stood in tightly cased wells completed in the Kootenai Formation, 1980. Contour interval 100 feet. Datum is sea level

---4000---Observed steady-state contour

---3800---Model-generated contour

---··· CONTACT--Shows lower contact of Kootenai Formation. Dotted where concealed by alluvium or terrace deposits

Base from U.S. Geological Survey
State base map, 1:500,000, 1965

0 5 10 15 MILES
0 5 10 15 KILOMETERS

CONTOUR INTERVAL 500 FEET
DATUM IS SEA LEVEL

MAP SHOWING MODEL-GENERATED AND OBSERVED STEADY-STATE POTENTIOMETRIC SURFACES FOR THE KOOTENAI FORMATION, JUDITH BASIN, CENTRAL MONTANA