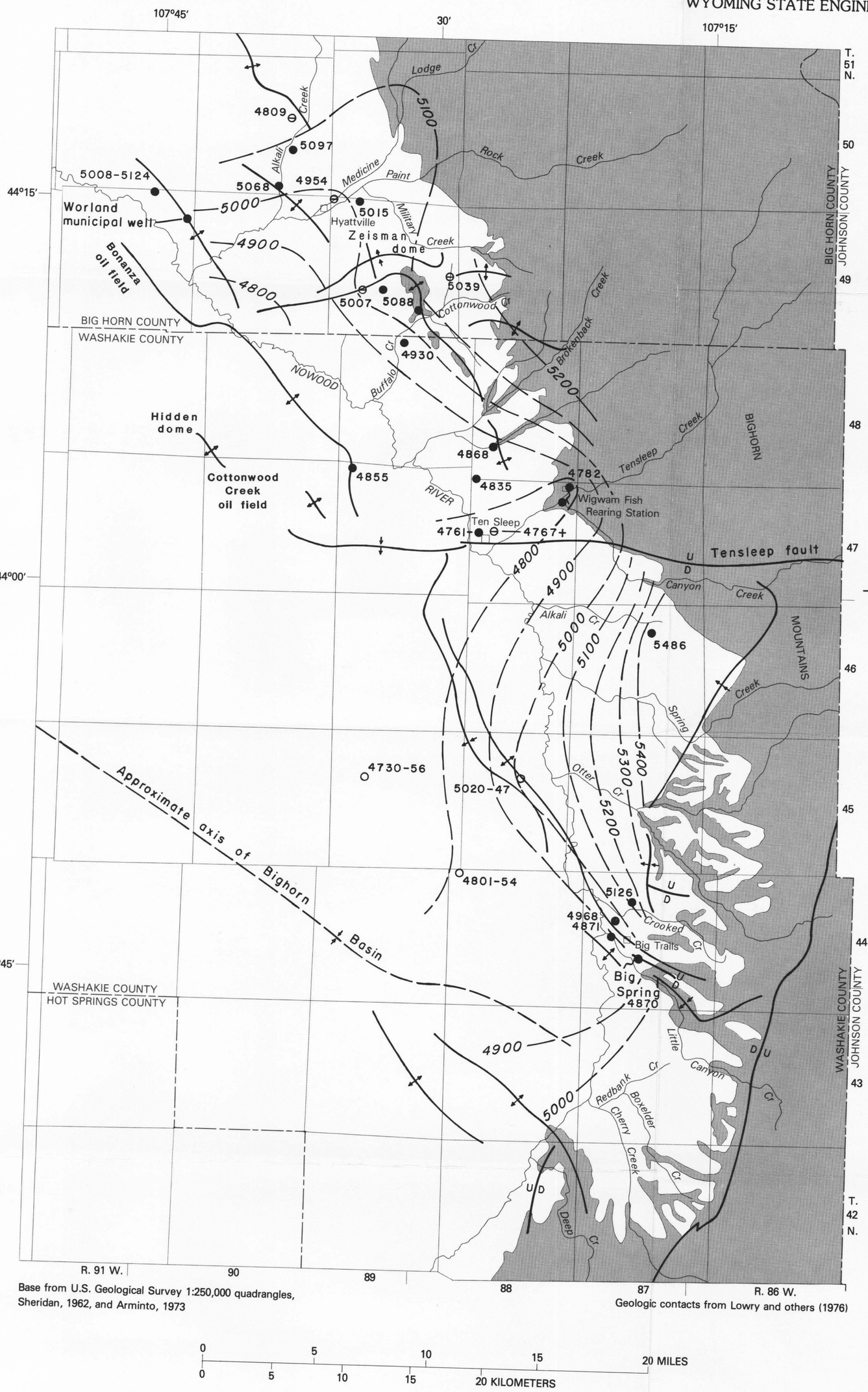
PREPARED IN COOPERATION WITH THE
WYOMING STATE ENGINEER



Base from U.S. Geological Survey 1:250,000 quadrangles, Sheridan, 1962, and Arminto, 1973

Geologic contacts from Lowry and others (1976)

0 5 10 15 20 MILES

0 5 10 15 20 KILOMETERS

EXPLANATION

ROCKS YOUNGER THAN TENSLEEP SANDSTONE

TENSLEEP SANDSTONE AND OLDER ROCKS

CONTACT

APPROXIMATE LOCATION OF AXIAL PLANE OF ANTICLINE

APPROXIMATE LOCATION OF AXIAL PLANE OF SYNCLINE

APPROXIMATE LOCATION OF AXIAL PLANE OF MONOCLINE

U D — FAULT--D, downthrown side; U, upthrown side

4730-56 — OIL-TEST WELL--Number denotes altitude of potentiometric surface, in feet above sea level, and year when well was tested

4782 — WELL COMPLETED IN MADISON-BIGHORN AQUIFER --Number denotes altitude of potentiometric surface, in feet above sea level

5039 — WELL COMPLETED IN TENSLEEP SANDSTONE AND MADISON-BIGHORN AQUIFER OR AMSDEN FORMATION, OR BOTH--Number denotes altitude of potentiometric surface, in feet above sea level

4870 — SPRING--Number denotes altitude, in feet above sea level

5400 — POTENTIOMETRIC CONTOUR--Shows altitude at which water level would have stood in tightly cased wells, 1978. Dashed where approximately located. Contour interval 100 feet. Datum is sea level

MAP SHOWING THE 1978 POTENTIOMETRIC SURFACE OF THE MADISON-BIGHORN AQUIFER, TEN SLEEP AREA OF THE BIGHORN BASIN, WYOMING