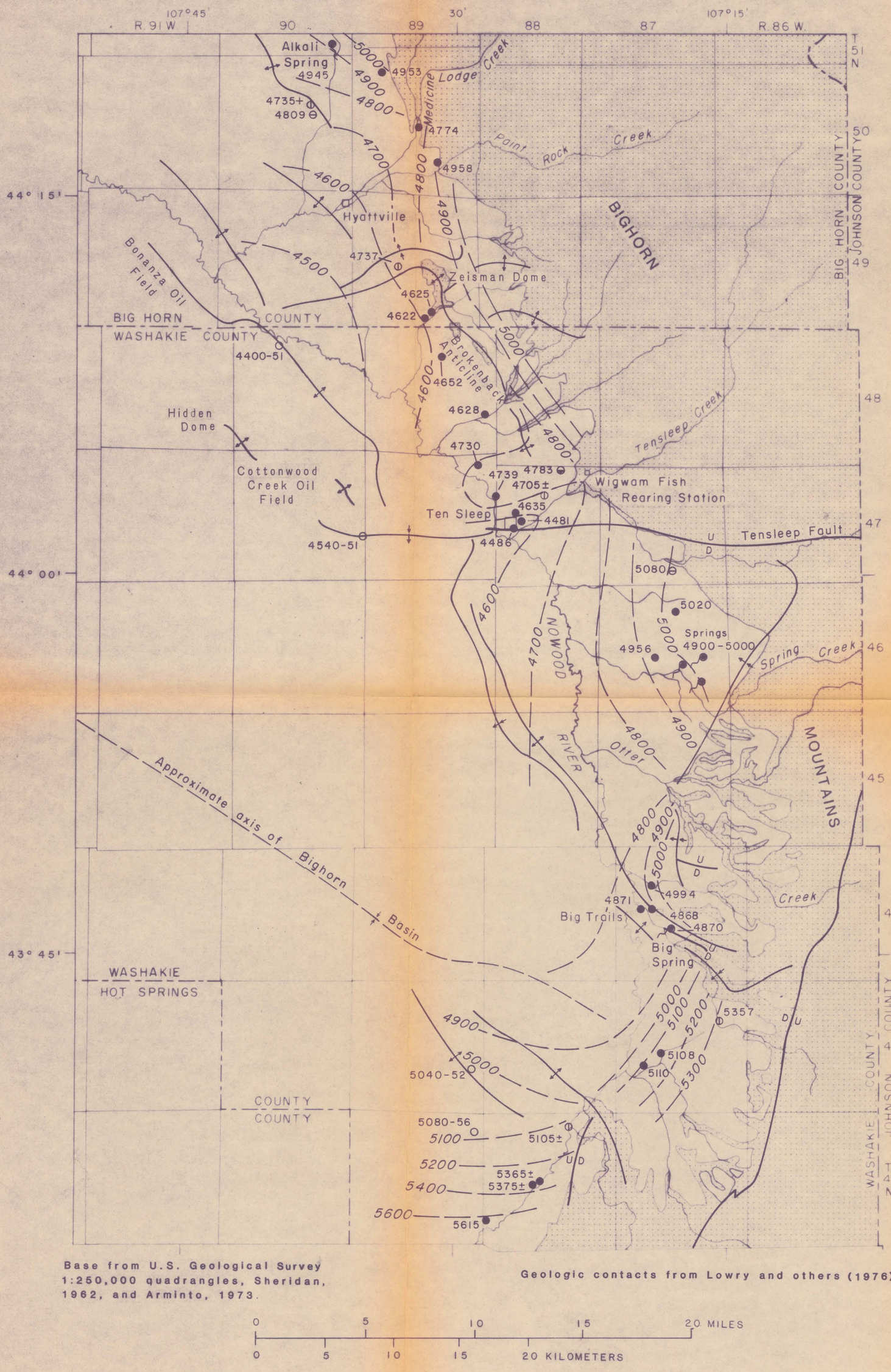
DEPARTMENT OF THE INTERIOR
UNITED STATES GEOLOGICAL SURVEY

PREPARED IN COOPERATION WITH THE
WYOMING STATE ENGINEER

OPEN-FILE REPORT 84-621
PLATE 3



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
- FAULT-- D, downthrown side; U, upthrown side
- 4540-51 — OIL-TEST WELL--Number denotes altitude of potentiometric surface, in feet above sea level, and year well was tested
- 4956 — WELL COMPLETED IN TENSLEEP SANDSTONE--Number denotes altitude of potentiometric surface, in feet above sea level
- WELL COMPLETED IN TENSLEEP SANDSTONE AND MADISON LIMESTONE OR IN TENSLEEP SANDSTONE, AMSDEN FORMATION AND MADISON LIMESTONE
- WELL COMPLETED IN TENSLEEP SANDSTONE AND AMSDEN FORMATION
- WELL COMPLETED IN GOOSE EGG FORMATION AND TENSLEEP SANDSTONE OR PARK CITY FORMATION
- 4900-5000 — SPRING--Number denotes altitude, in feet above sea level
- 5000 — POTENTIOMETRIC CONTOUR--Shows altitude at which water level would have stood in tightly cased wells, 1978. Dashed where approximately located. Contour interval 100 or 200 feet. Datum is sea level. Altitudes of potentiometric surface are above land surface throughout most of the study area

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

MAP SHOWING THE 1978 POTENTIOMETRIC SURFACE OF THE TENSLEEP SANDSTONE, TEN SLEEP AREA OF THE BIGHORN BASIN, WYOMING.