GEOLOGIC MAP OF THE WIND RIVER INDIAN RESERVATION, WYOMING

UNITED STATES DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

PREPARED AS PART OF THE PROGRAM OF THE
DEPARTMENT OF THE INTERIOR
FOR THE DEVELOPMENT OF THE MISSOURI RIVER BASIN

WATER-SUPPLY PAPER 1576-I
PLATE 2

INTERIOR—GEOLOGICAL SURVEY, WASHINGTON, D.C.—1962—W&NR/F

EXPLANATION

QUATERNARY

- Qa — Alluvium of flood plains and related low terraces
- Qae — Slope wash and alluvium
- Qc — Terrace and piedmont deposits
- Qls — Landslide and mass-slope colluvial deposits
- Qp — Travertine deposits
- Qsd — Glacial deposits

Pleistocene and Recent

TERTIARY

- Tgu — Gravel and boulders
- Tu — Uinta Formation
- Tgr — Green River Formation
- Tgw — Wagon Bed Formation
- Tvu — Volcanic conglomerate and tuff; green, olive, and gray
- Tt — Tepee Trail Formation
- Tvc — Volcanic conglomerate, andesitic breccia, and tuff; green, olive, and gray
- Tvs — Tuffaceous sandstone, conglomerate, and shale; green, red, and purple
- Tvt — Tuffaceous claystone, sandstone, and conglomerate; green, red, and purple
- Tvb — Basalt flows and breccia; dark-gray to black

Oligocene

Middle and Upper Eocene

Middle Eocene

Lower Eocene

Paleocene

- Tf — Fort Union Formation
- Tl — Indian Meadows Formation
- Tm — Wind River and Indian Meadows Formations
- Tw — Wind River Formation
- Ta — Aycross Formation
- Tay — Aycross and Wind River Formations
- Tv — Volcanic rocks undivided

CRETACEOUS

- Kl — Lance(?) Formation
- Km — Meeteetse Formation
- Kmv — Meeteetse Formation
- Kc — Cody Shale
- Kf — Frontier Formation
- Kmt — Mowry and Thermopolis Shales
- Kbm — Muddy, Newcastle, and Skull Creek Formations

Upper Cretaceous

Lower Cretaceous

JURASSIC

- Jsu — Sundance, Gypsum Spring, and Stump Formations
- Jm — Morrison Formation
- Js — Sundance Formation
- Jn — Nugget Sandstone
- Pu — Upper Paleozoic rocks undifferentiated
- Pm — Madison Limestone
- Pbh — Big Horn Dolomite
- Pgr — Gros Ventre Formation
- Pf — Flathead Sandstone
- Pc — Precambrian rocks undifferentiated

Upper Jurassic

Middle and Lower Jurassic

Triassic

Permian

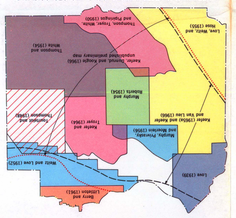
Pennsylvanian and Mississippian

Ordovician and Cambrian

Precambrian

- Contact — *All contacts are considered approximate*
- Fault — *All locations are considered approximate. Dashed where concealed. Where known is indicated. U, upthrown side. D, downthrown side*
- Approximate anticline — *Showing trace of axial plane. Dotted where concealed*
- Approximate syncline — *Showing trace of axial plane*
- Strike and dip of Wind River Formation — *Determined by instrument reading. Dashed where results were uncertain. Strike and dip shown in sec. 15, T. 1 N., R. 8 E., was determined by measuring contour lines of "Yuletide" fan in drainage line of local water wells*
- A — A' — Location of section — *Section B-B' and C-C' are shown on figure 14 in text*
- Oil or gas well — *Letter refers to table below*

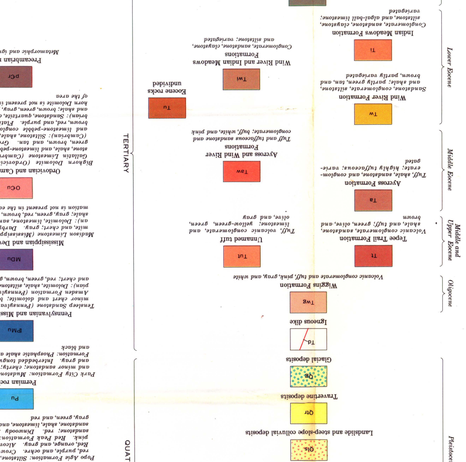
SOURCES OF DATA USED IN COMPILING GEOLOGIC MAP



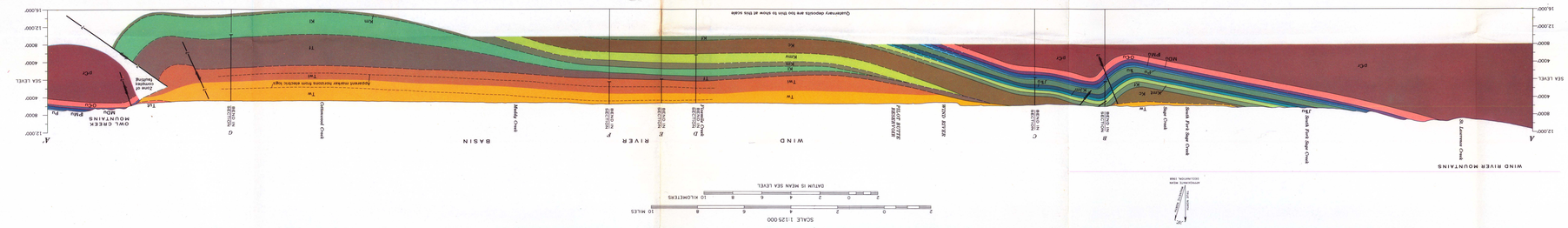
OIL AND GAS WELLS SHOWN ON SECTION

Letter on section	Company and name	Location	Source of stratigraphic interpretation
B	Texas and Bonanza Oil Co. Tribal 1	S30°W,1425 ft. sec. 13, T. 2 N., R. 2 W.	Stratigraphic well log, Cretaceous and Geological Laboratories
C	Tribal 1	S32°W,1170 ft. sec. 9, T. 2 N., R. 1 W.	Stratigraphic well log, American Stratigraphic Co., and electric log interpretation by author
D	Gulf Oil Corp. Shell 1	N70°W,1470 ft. sec. 8, T. 2 N., R. 3 E.	Sample study by Keefer (1965a,pl. 2)
E	Shell Oil Co. Government 8-35	S85°W,0 ft. sec. 35, T. 4 N., R. 3 E.	Electric log interpretation by author
F	California Oil Co. Government 4	N70°W,8230 ft. sec. 31, T. 4 N., R. 3 E.	Electric log interpretation by author
G	Phillips Petroleum Co. Boysen 1	S25°W,0 ft. sec. 27, T. 5 N., R. 3 E.	Sample study by Keefer (1965a,pl. 2)

MAJOR STRUCTURES AND GENERALIZED STRUCTURE CONTOURS



WIND RIVER MOUNTAINS



SCALE 1:125 000

2 0 2 4 6 8 10 MILES

2 0 2 4 6 8 10 KILOMETERS

DATUM IS MEAN SEA LEVEL

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