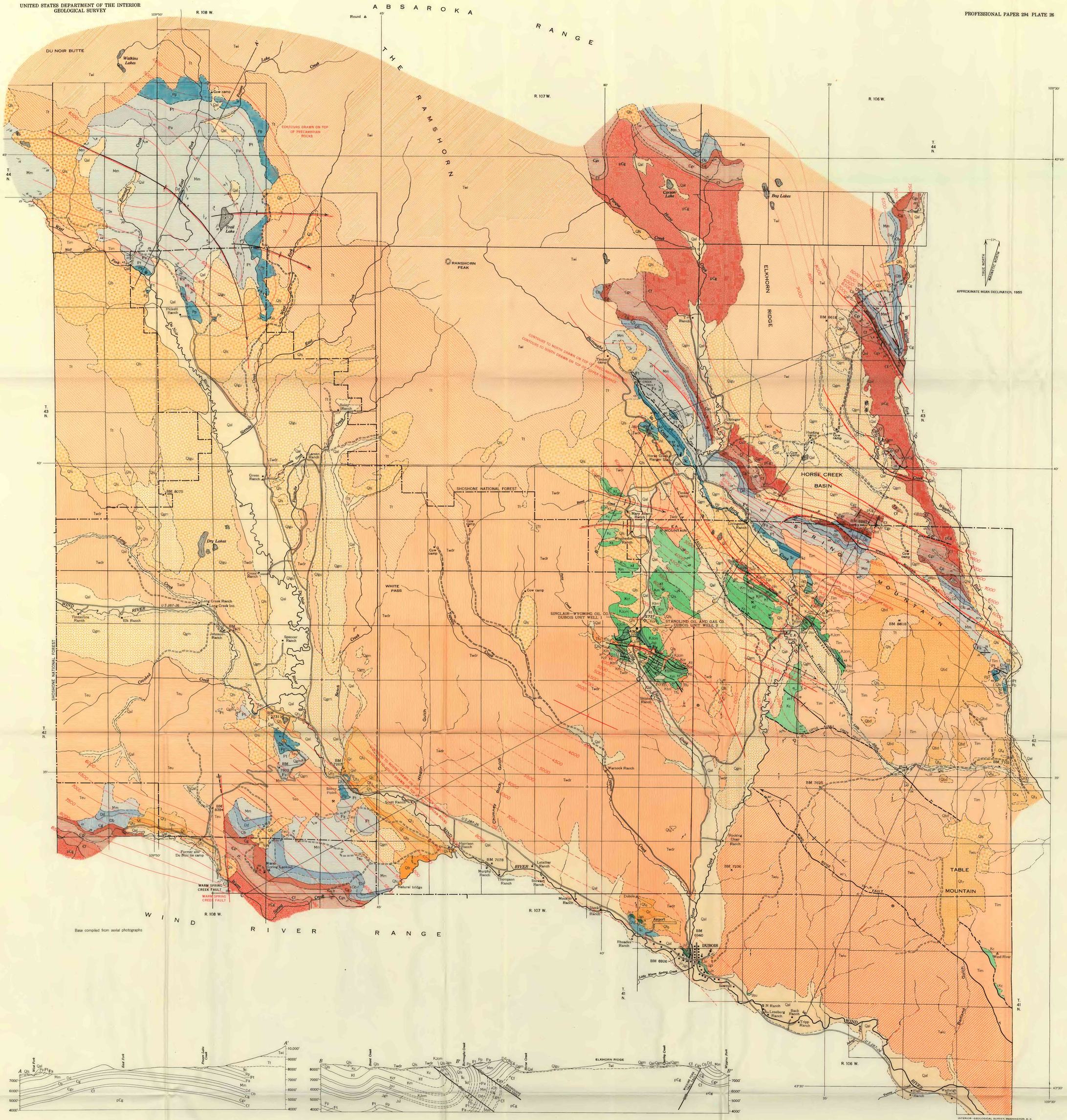
GEOLOGIC MAP AND STRUCTURE SECTIONS OF THE DU NOIR AREA, FREMONT COUNTY, WYOMING



EXPLANATION

SURFICIAL DEPOSITS

Qal — Alluvium
Mainly flood-plain deposits

Qc — Colluvium
Coarse debris on steep slopes separating successive terrace levels

Qt1 Qt2 Qt3 Qt4 Qt5 Qt6 Qt7 — Terrace deposits
Composed largely of gravels and cobbles; classified according to height above present stream drainage: Qt1, *15-85'*; Qt2, *70'*; Qt3, *100-140'*; Qt4, *200'*; Qt5, *260-300'*; Qt6, *385-550'*; Qt7, *1300'*

Qtr — Travertine deposits
Locally contains pebbles and cobbles

Qls — Landslide debris
Including all types of mass wasting

Qgm — Glacial moraines, undifferentiated
Unconsolidated masses of boulders and cobbles with finer grained materials

Qlgu — Landslide and glacial debris, undifferentiated

Qbd — Residual basalt debris
Large angular boulders of basalt of Tertiary age

SEDIMENTARY ROCKS

Twi — Wiggins formation
Tt — Tepee Trail formation
Twdr — Wind River formation
Tim — Indian Meadows formation
Twiu — Wind River and Indian Meadows formation, undifferentiated
Tfu — Fort Union(?) formation
Teu — Eocene rocks undifferentiated
Kc — Cody shale
Kf — Frontier formation
Km — Mowry shale
Including upper black shale member of the Thermopolis shale
Klm — Thermopolis shale
Ktm, *Muddy sandstone member at top*
Kt
Kcr — Cloverly and Morrison formations, undifferentiated
Kcr, *Rusty beds member at top*
KJcm
Jsu — "Upper Sundance"
Jsl — "Lower Sundance"
Jgs — Gypsum Spring formation
Jn — Nugget sandstone
Tc — Chugwater formation
Td — Dinwoody formation
Pp — Phosphoria formation
Pt — Tensleep sandstone
Pa — Amsden formation
Mm — Madison limestone
Dd — Darby formation
Ob — Bighorn dolomite
Cg — Gallatin limestone
Cgv — Gros Ventre formation
Cf — Flathead sandstone

IGNEOUS ROCKS

Ti — Basic dike rocks
pCg — Granite and granite gneiss

Contact
Dashed where approximately located

Inferred contact
Separates successive terrace levels or terrace deposits from colluvium

Normal fault, showing dip; U, upthrown side; D, downthrown side; *dashed where approximately located, dotted where concealed or inferred*

High-angle reverse fault
R, upthrown side

Thrust fault
T, overriding block

Anticline
Showing direction and plunge; dashed where approximately located, dotted where concealed or inferred

Syncline
Showing direction and plunge; dashed where approximately located, dotted where concealed or inferred

Strike and dip of beds

Strike and dip of overturned beds

Strike of vertical beds

Horizontal beds

Apparent dip
Showing bearing and magnitude where strike is not determinable

Inferred position of fault trace on structure-contour horizon

Inferred position of anticlinal axis on structure-contour horizon

Inferred position of synclinal axis on structure-contour horizon

Structure contours on top of "Upper Sundance"
Long dashes where surface data are adequate; short dashes where inferred; contour interval 500 feet; datum is mean sea level

Structure contours on top of Precambrian rocks
Solid where surface data are adequate, dotted where inferred; contour interval 500 feet, datum is mean sea level

3430 — Producing oil well
Showing depth

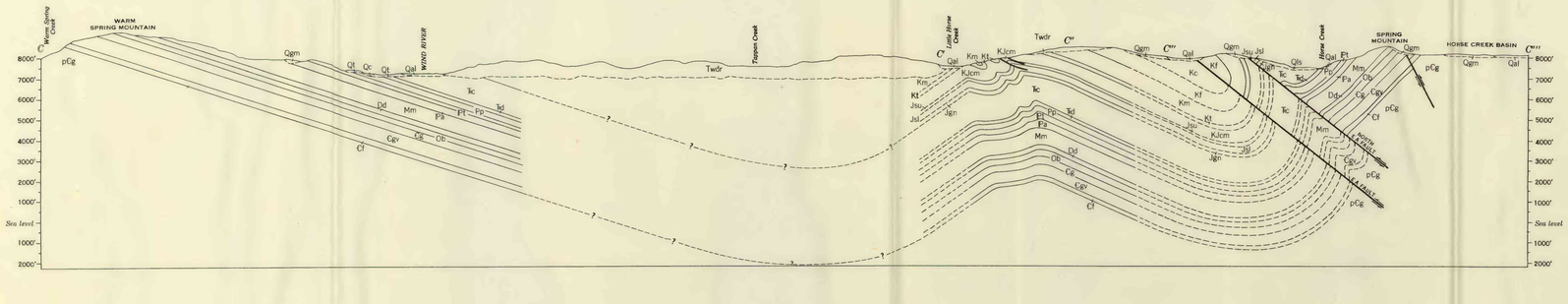
2721 — Dry hole
Showing depth

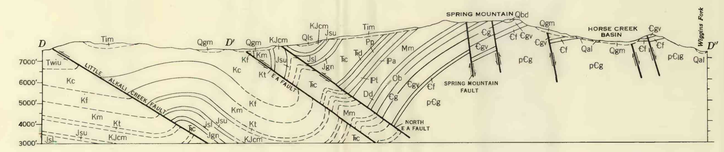
Abandoned mine

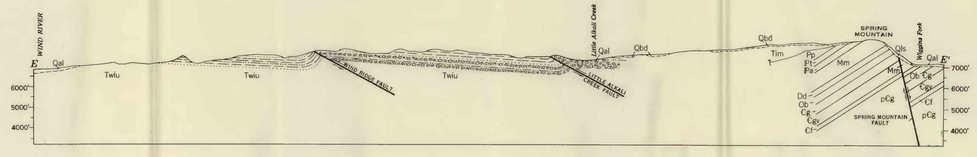
TRUE NORTH
MAGNETIC NORTH
APPROXIMATE MEAN DECLINATION, 1955

QUATERNARY
TERTIARY
CRETACEOUS
JURASSIC
TRIASSIC
PERMIAN
PENNSYLVANIAN
MISSISSIPPIAN
DEVONIAN
ORDOVICIAN
CAMBRIAN
PRE-CAMBRIAN

Oligocene
Eocene
Paleocene (?)
Upper Cretaceous
Lower Cretaceous
Upper Jurassic
Middle Jurassic
Lower Jurassic
Upper Cambrian
Middle Cambrian







SYMBOLS USED ON SECTIONS

Qal — Alluvium
Qc — Colluvium
Qt — Terrace gravel
Qls — Landslide debris
Qlgu — Landslide and glacial debris, undifferentiated
Qgm — Glacial moraine
Qbd — Residual basalt debris
Twi — Wiggins formation
Tt — Tepee Trail formation
Twdr — Wind River formation
Tim — Indian Meadows formation
Twiu — Wind River and Indian Meadows formation, undifferentiated
Kc — Cody shale
Kf — Frontier formation
Km — Mowry shale
Kt — Thermopolis shale; includes Muddy sandstone member at top
KJcm — Cloverly and Morrison formation, undifferentiated; includes rusty beds at top
Jsu — "Upper Sundance"
Jsl — "Lower Sundance"
Jgn — Gypsum Spring and Nugget formations, undifferentiated
Tc — Chugwater formation
Td — Dinwoody formation
Pp — Phosphoria formation
Pt — Tensleep sandstone
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Cg — Gallatin limestone
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Cf — Flathead sandstone
pCg — Precambrian rocks

Geology by W. R. Keefer, 1951–53, assisted by R. J. Burnside, 1951, and W. H. Curry III, 1952

INTERIOR—GEOLOGICAL SURVEY, WASHINGTON, D. C.
MR 6259

1 0 3 Miles
Scale 1:48,000