UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

CONSERVATION DIVISION

GEOLOGIC MAP OF COOPER COVE AND DUTTON CREEK OIL FIELDS, AND VICINITY ALBANY AND CARBON COUNTIES, WYOMING

By Harold J. Hyden

SCALE 1:24 000

½ 0 1 MILE

CONTOUR INTERVAL 20 FEET
DATUM IS MEAN SEA LEVEL

1963

Base from parts of Arlington (1958) and Bengough Hill (1958) 7 1/2' quadrangles, by Topographic Division, U.S. Geological Survey.

Geology mapped in 1962

EXPLANATION

- Qal — Alluvium
- Qc — Colluvium
- Qt_1 — Youngest terrace gravel
- Qt_2 — Oldest terrace gravel
- Qp — Pediment gravel
- Tw — Wind River Formation
- TKf — Ferris Formation
- Kmb — Medicine Bow Formation
- Kl — Lewis Shale
- Kmv — Mesaverde Formation
- TrPu — Chugwater Formation, Forelle Limestone, and Satanka Shale
- PIPMu — Casper Formation and Madison Limestone
- p€u — Precambrian undivided

Recent, Pleistocene — QUATERNARY
Eocene, Paleocene, Upper Cretaceous — TERTIARY, CRETACEOUS
TRIASSIC, PERMIAN, MISSISSIPPIAN AND PENNSYLVANIAN, CARBONIFEROUS, PRECAMBRIAN

Contact
Long dashed where approximately located, short dashed where inferred, dotted where concealed.

Fault
Long dashed where approximately located, short dashed where inferred, dotted where concealed. U, upthrown side; D, downthrown side.

Anticline
Showing position of axial plane; dashed where approximately located, dotted where concealed.

Strike and dip of beds
Overturned beds
Vertical beds
Apparent dip
Horizontal beds
Dry hole
Gas well
Oil well

SURFACE STRATIGRAPHIC UNITS

FORMATIONS	AVERAGE THICKNESS IN FEET	DESCRIPTION
Wind River	200+	Coarse-grained conglomeratic arkosic sandstones, carbonaceous shale, and red- and green-banded mudstones.
Ferris	400+	Coarse-grained conglomeratic arkosic sandstones, interbedded siltstones and mudstones, basal conglomerates, and basal channels.
Medicine Bow	350	Very fine grained sandstones, siltstones, shales, and coal beds.
Lewis Shale	1940	Very fine grained sandstones, siltstones, and shales.
Mesaverde	1750	Fine-grained sandstones, siltstones, and shales. Coal beds at top and in central part.
These rocks are limited to small exposures in a disturbed fault-block.		
Chugwater, Forelle, and Satanka	1000	Red beds and a thin limestone bed.
Casper and Madison	?	White sandstones and limestones.
Precambrian	?	Quartzites, amphibolite, granitic gneiss, and schist.