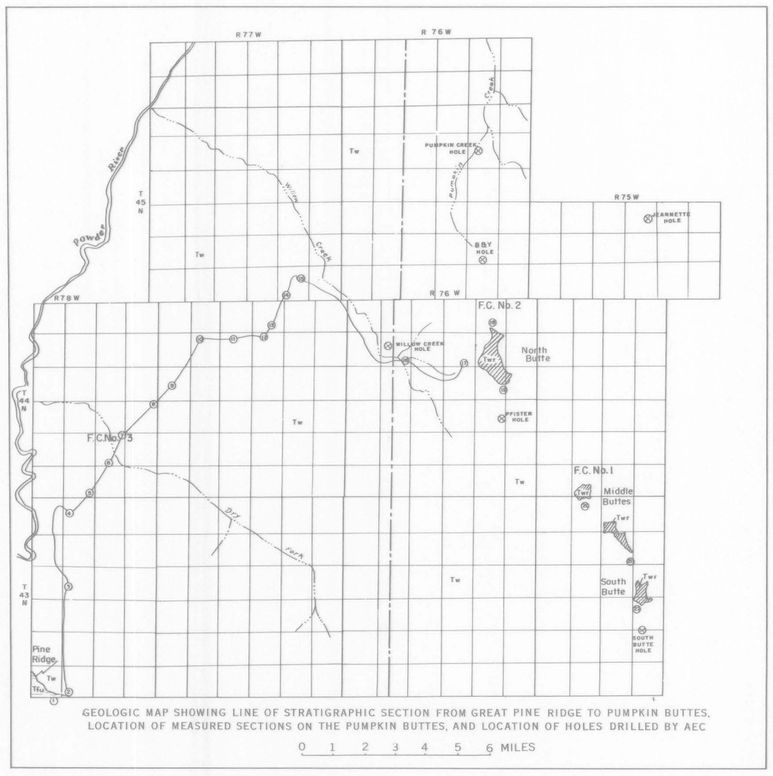
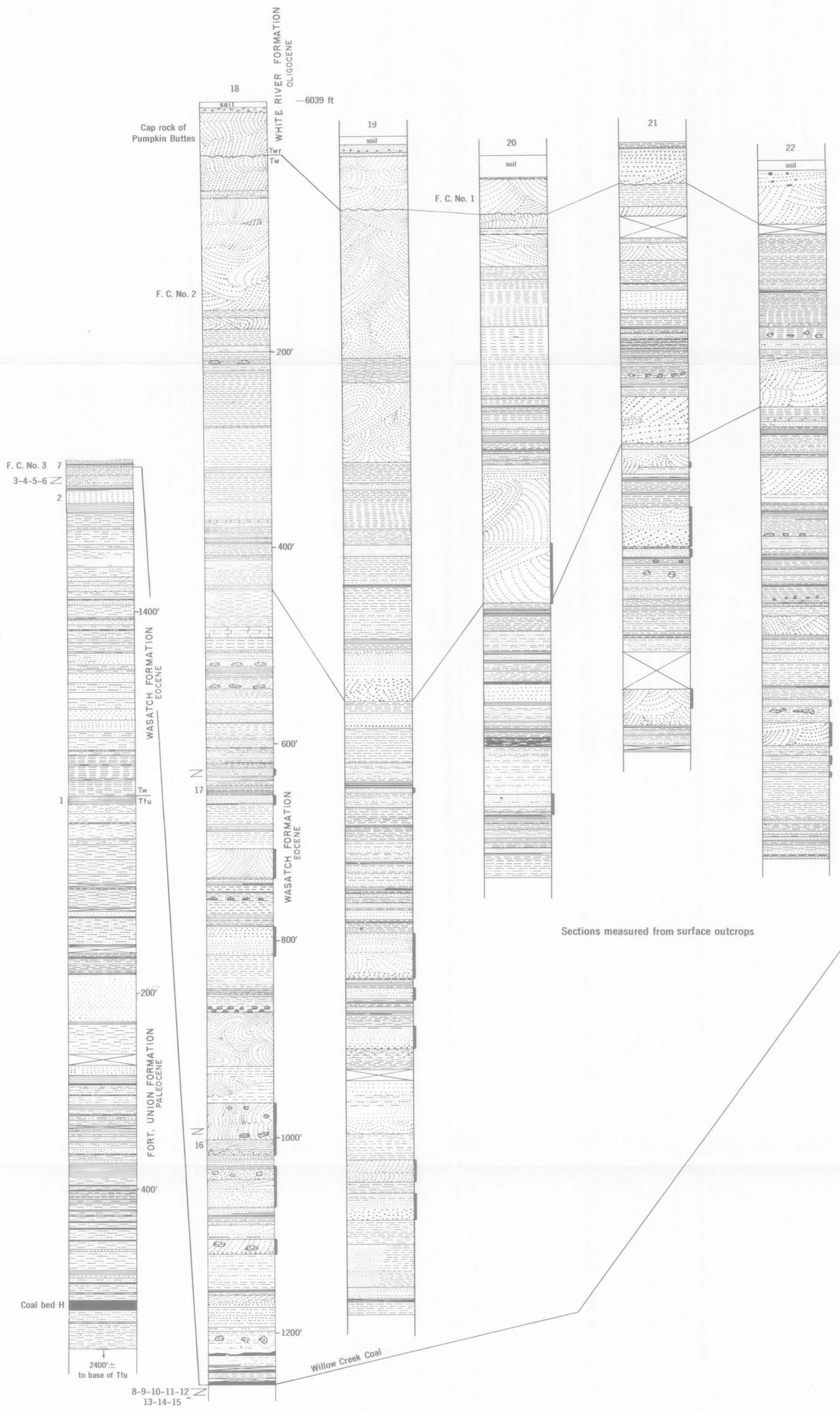



GEOLOGIC MAP SHOWING LINE OF STRATIGRAPHIC SECTION FROM GREAT PINE RIDGE TO PUMPKIN BUTTES, LOCATION OF MEASURED SECTIONS ON THE PUMPKIN BUTTES, AND LOCATION OF HOLES DRILLED BY AEC

0 1 2 3 4 5 6 MILES




## EXPLANATION

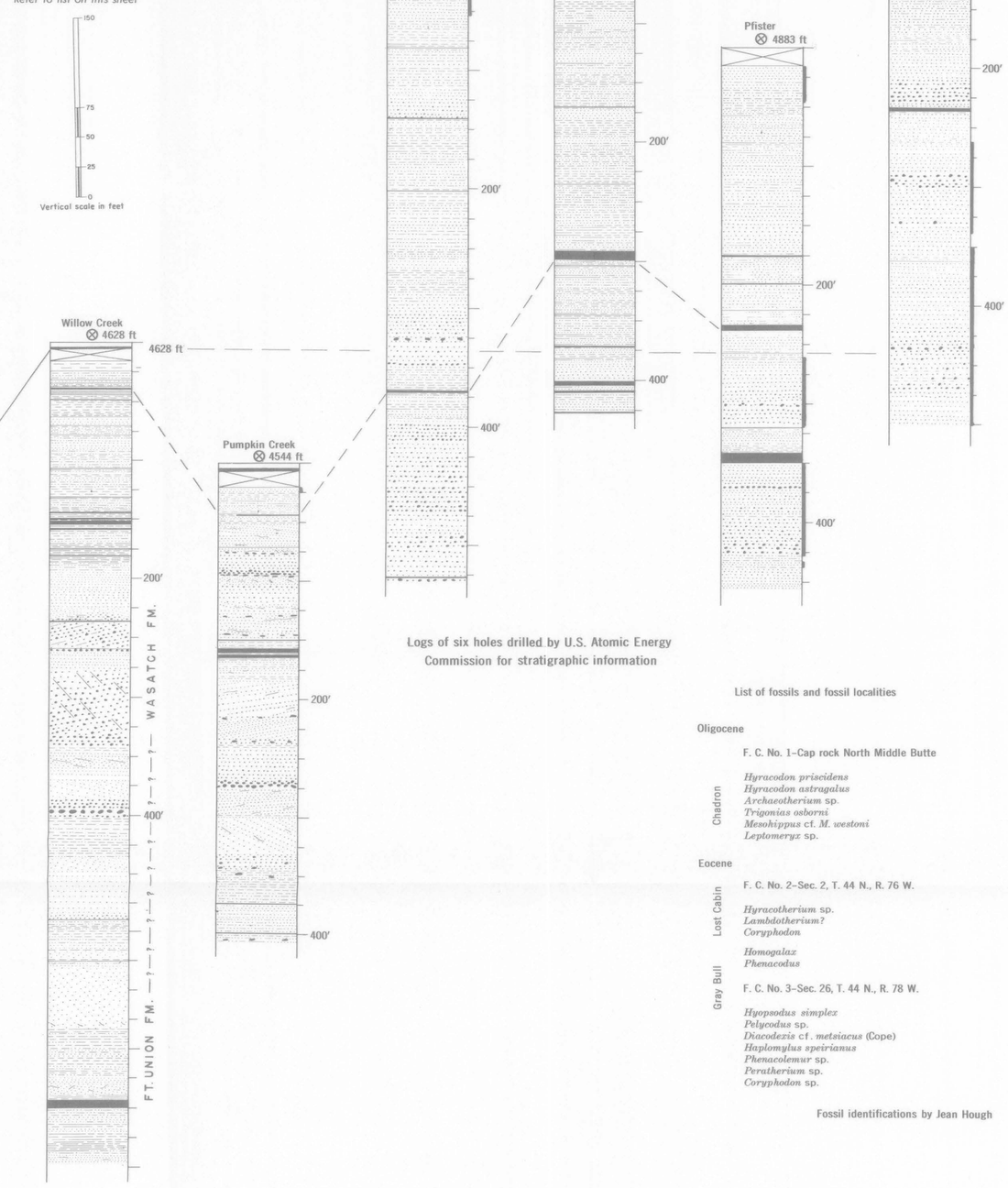
- Conglomerate
- Coarse-grained to pebbly massive sandstone
- Fine- to medium-grained massive sandstone
- Crossbedded sandstone
- Calcareous sandstone
- Carbonaceous sandstone
- Siltstone
- Claystone, bentonitic
- Claystone
- Shale
- Carbonaceous shale
- Coal
- Limestone
- Sandy limestone
- Calcareous sandstone concretions
- Limestone concretions
- Covered
- Red sandstone commonly uranium bearing

*Offset in measured section*

*AEC drill holes*

*F. C. No. 3–Fossil collection Refer to list on this sheet*

Vertical scale in feet




Logs of six holes drilled by U.S. Atomic Energy Commission for stratigraphic information

### List of fossils and fossil localities

**Oligocene**

**Chadron**

F. C. No. 1–Cap rock North Middle Butte

*Hyracodon priscidens*
*Hyracodon astragalus*
*Archaeotherium* sp.
*Trigonias osborni*
*Mesohippus* cf. *M. westoni*
*Leptomeryx* sp.

**Eocene**

**Lost Cabin**

F. C. No. 2–Sec. 2, T. 44 N., R. 76 W.

*Hyracotherium* sp.
*Lambdotherium?*
*Coryphodon*

**Gray Bull**

*Homogalax*
*Phenacodus*

F. C. No. 3–Sec. 26, T. 44 N., R. 78 W.

*Hyopsodus simplex*
*Pelycodus* sp.
*Diacodexis* cf. *metsiacus* (Cope)
*Haplomylus speirianus*
*Phenacolemur* sp.
*Peratherium* sp.
*Coryphodon* sp.

Fossil identifications by Jean Hough

# STRATIGRAPHIC CROSS SECTION OF TERTIARY FORMATIONS OF PART OF POWDER RIVER BASIN, WYOMING

690-454 O - 64 (In map case)