QUATERNARY

CRETACEOUS

Mesaverde Formation

Qal

Surficial deposits Qal, alluvium. Locally includes some windblown sand

Qc, colluvium Qs, windblown sand

Terrace gravels Qtl, deposits on lower terrace where mappable

> QP Qp Qpo

Pediment gravels Pediment gravels may be in part of Pliocene age Qpy, younger pediment gravel where superposition can be established Qpo, older pediment gravel

UNCONFORMITY

Tufu Tfu

Fort Union Formation Tufu, upper part: contains coarse white arkosic sandstone and conglomerate interbedded with siltstone, mudstone, and carbonaceous siltstone

K1

Lance Formation Intertongues in lower part with Fox Hills Formation

Kfh

Fox Hills Formation As mapped includes some nonmarine beds of Lance Formation

> Kles Kle

Lewis Shale Kles, sandstone beds of shallow marine origin in upper part

UNCONFORMITY

Sandstone, carbonaceous siltstone, and shale Contains Ostrea sp. coquina beds locally at top.

Equivalent to the Almond Formation of the Rock Springs uplift

Sandstone, pebbly sandstone, and carbonaceous siltstone and sandstone beds Equivalent to the upper part of the Ericson Sandstone of the Rock Springs uplift

UNCONFORMITY



Sandstone, siltstone, shale, and carbonaceous siltstone beds ss, sandstone beds of littoral marine origin in lower part

> Kctr Kc Kcss Kesh

Cody Shale Kctr, sandstone and siltstone beds of shallow marine origin transitional into lower part of Mesaverde Formation; mapped locally

Kcss, sandstone beds of shallow and littoral marine origin in upper part; thins and intertongues eastward and southward into silty shale Kcsh, shale beds equivalent to Niobrara Shale

Contact

Long dashed where approximately located; short dashed where inferred; dotted where concealed

\_\_\_\_\_\_?....?

Fault Long dashed where approximately located; short dashed where inferred; queried where location uncertain. Bar and ball on downthrown side where displacement

is known; arrows show relative displacement

Anticline Showing trace of axial plane; dashed where approxi-

> mately located; dotted where concealed Syncline

Showing trace of axial plane; dashed where approximately located; dotted where concealed

Strike and dip of beds

Concretionary silty limestone

Sandstone

LILLLELLLLLLLLL Lignite

Locally mappable bed "Oph" indicates presence of Ophiomorpha in sandstone bed

Outcrop too small to show at map scale Includes some float indicative of formation underlying alluvium- or colluvium-covered slope

Selected oil well

Selected dry hole or abandoned well

This map is preliminary and has not been edited or reviewed for conformity with Geological Survey standards or nomenclature.

3 1818 00260246 2

M(200)R290 no. 68- 22 7 Sheet