



LEGEND

SUPERFICIAL

grv
River gravels
locally air-farved

SEDIMENTARY

Kr
Ruby formation
(Conglomerate, sandstone
and (?) of andesitic
materials)

Ko
Ohio Creek
formation
(Conglomerate, sandstone
and sandstone)

Kl
Laramie
formation
(Sandstone and shale
containing coal beds,
generally workable)

Km
Montana
formation
(See title sandstone
and Pierre shale,
Black shales)

IGNEOUS

wb
West Elk
breccia
Containing a variety
of andesites

adi
Dikes
of diorite, porphyry
and quartz-porphyr

pt
Porphyrite

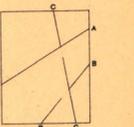
Intrusive
sheets
mainly of porphyrite
(Corrected. E. H. C.)

pd
Porphyritic
diorite

di
Diorite

Faults

Sections



Mines and Prospects

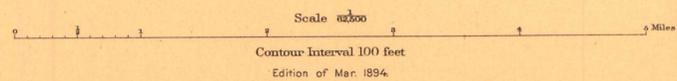
* Productive mines.
X Abandoned mines
and prospects.

Known
productive
formations

Coal

Triangulation Points
a Primary
o Secondary

Henry Gannett, Chief Geographer.
Triangulation by the Hayden Survey.
Topography by Anton Karl and Laurence Thompson.
Surveyed in 1883 & 1888.



S.F. Emmons, Geologist in charge.
Geology of Igneous Rocks by Whitman Cross.
Geology of Sedimentary Rocks by G.H. Eldridge
Surveyed in 1884-86.