



EXPLANATION

SEDIMENTARY ROCKS

(Areas of sedimentary deposits are shown by patterns of parallel lines)

- Eocene**
- Tr**
Raton Formation
(sandstone, brown to buff shale, and coal beds, conglomerate at base)
- UNCONFORMITY**
- Upper Cretaceous**
- Mountain group**
- Kv**
Vermejo formation
(dark shale, light-colored friable sandstone, and coal beds)
- Ktd**
Trinidad sandstone
(massive, light gray, bituminous sandstone)
- Kp**
Pierre shale
(dark to black fossiliferous shale, sandstone, limestone concretions in upper part)

TERTIARY
CRETACEOUS

IGNEOUS ROCKS

Dikes and sheets, chiefly basalt; some andesite and lamprophyre

QUATERNARY

ECONOMIC DATA

Coal bed outcrops
(shown in Vermejo formation, Timpson, Buda, Canyon, & Savage Canyon, &c., and other coal beds in Raton formation. Coal changed to coke or graphite where in contact with igneous rocks)

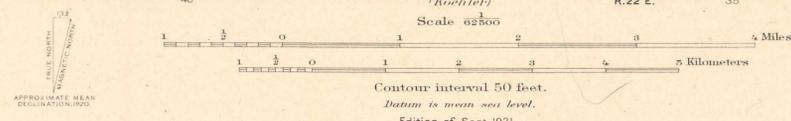
Area underlain by coal beds

- * Coal mine entries
- x Coal prospects and location of measured surface sections
- o Diamond drill tests for coal
- Numbers and letters refer to sections and descriptions in text
- Mine workings in 1913

Economic note: Bituminous coal is extensively mined in the Vermejo and Raton formations; brick clays are obtained from the Pierre shale; basalt is suitable for road metal.

Land lines on map are based on found corners indicated (Sheet 4)

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Surveyed in 1912-1913.



Geology by Willis T. Lee.
Surveyed in 1913.