

EXPLANATION CONTINUED



Coal beds  
(Groups of coal beds in the Fort Union, Meeteetse, and Mesaverde formations; sc second group of coal beds in Mesaverde formation on which contours are based)



Coal mine  
(Numbers along coal beds refer to measured sections on plates or in text)



Coal prospect



Oil well



Gas well



Oil and gas well

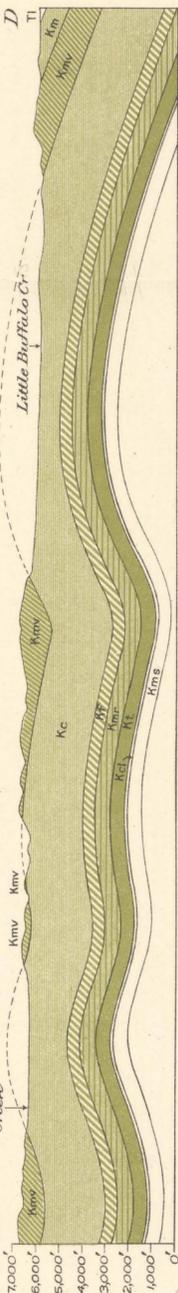
Show of oil and gas



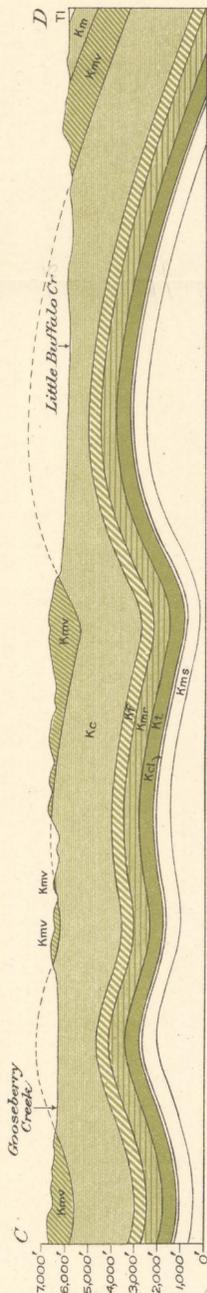
Dry hole

NOTE: Numbers at well symbols referred to in text

SECTION A-B



SECTION C-D



EXPLANATION



Alluvium  
(Valley and flood-plain deposits along streams)



Terrace gravel  
(Gravel and boulders washed from Absaroka Mountains)



Wasatch formation  
(Vari-colored clay, sandstone, and conglomera)

UNCONFORMITY AND OVERLAP



Fort Union formation  
(Thin-bedded sandstone, shale, and thin beds of coal; several conglomeratic beds in basal part)

ANGULAR UNCONFORMITY



Lance formation  
(Chiefly thick-bedded, slightly consolidated buff sandstone with intercalated beds of clay and shale; several thin beds of coal in uppermost part; persistent bed of buff concretionary sandstone at base)



Meeteetse formation  
(Gray to white clayey sand and sandstone, locally concretionary; gray to pale olive sandy clay, brown shale, and bentonite; thin beds of coal in upper part)



Mesaverde formation  
(Massive sandstone of light-buff color, chiefly in lower part; thinly laminated sandstone, and thin layers of light and dark gray shale; lower part coal bearing; a few thin coals in upper part; sc second coal group)



Cody shale  
(Upper part chiefly alternating thin-bedded buff sandstone and buff sandy shale; lower part dark-gray to dark olive-gray thin-bedded shale)



Frontier formation  
(Shale, sandy shale, sandstone, bentonite, and thin beds of coal)



Mowry shale  
(Gray shale containing fish scales; several beds of sandstone and bentonite)



Thermopolis shale  
(Black or dark carbonaceous shale with one very persistent and several nonpersistent beds of sandstone; numerous beds of bentonite in upper part)

FORMATIONS SHOWN IN SECTIONS NOT EXPOSED AT SURFACE

Kcl Cloverly formation

Kms Morrison formation



Faults  
(Location at surface in black; location below surface shown in color of associated structure contours; U, upthrown; D, downthrown. Figure indicates displacement in feet)



Syncline  
(Surface position)



Syncline  
(Position on contoured coal bed)



Strike and dip of strata



Structure contours on top of Frontier formation. Contour interval 200 feet; datum sea level



Structure contours on second group of coal beds (sc) in Mesaverde formation. Contour interval 200 feet; datum sea level

Topography by C. C. Gardner and C. C. Holder

Surveyed in 1911

Geology by D. F. Hewett

GEOLOGIC MAP AND CROSS SECTIONS OF THE MEETEETSE QUADRANGLE, WYOMING

Showing coal beds, oil and gas wells, and geologic structure

Scale 1:25,000



Contour interval 25 feet.

Datum is mean sea level.

