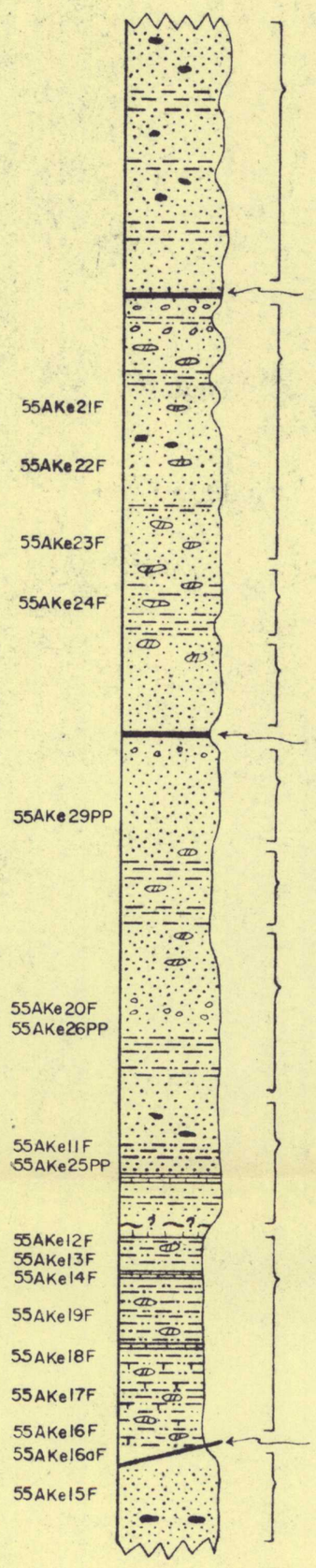


Interbedded green-gray fine-grained locally carbonaceous sandstone, hackly fracturing siltstone, and silty shale. Sandstones slightly to moderately argillaceous.

Thin coal seams and conglomerate

Brown to gray-weathering interbedded massive fine-grained marine sandstone and thin-bedded hackly fracturing siltstone. Large disc-shaped siltstone concretions. Abundant large ammonites and Inocerami.

Massive to thin-bedded sandstone and siltstone. Large spheroidal limy siltstone concretions. Large Inocerami and ammonites common.

Upper part of unit composed of brown-weathering, littoral to marine slightly argillaceous, fine-grained sandstone with large spheroidal limy siltstone concretions.

10' interbedded coaly shale and coal seams; coal seams as much as 2" thick. Fine- to medium-grained shaly-weathering sandstones with some conglomerate. About 75% of unit is oil-saturated, and much of the petroliferous sand section is quite friable.

Thin-bedded green marine fine- to medium-grained sandstone, siltstone, and silty shale. Massive disc-shaped limy siltstone and sandstone concretions.

Unit consists of green marine fine- to medium-grained sandstone. Sandstone massive, with interbedded pebbly sandstone, conglomerate, and silty shale. Grit conglomerate contains rounded black and green chert and white quartz. Conglomerate and sandstone abundantly fossiliferous. Conglomerate locally coquinoid. Lower sandstones locally petroliferous.

Unit predominantly massively bedded light-gray to dark-green sandstone, fine- to coarse-grained, locally salt-and-pepper appearance. Entire section abundantly fossiliferous. Locally coquinoid green siltstone and sandstone with fossils forming zones 6"-1' thick. Upper part of unit contains disseminated carbonaceous material.

Chignik formation (CRETACEOUS)

Black to gray-green dense hackly fracturing locally limy and sandy siltstone. Dense buff-weathering limestone as concretions and thin interbeds. Pelecypods and ammonites common in sequence. Ammonites occur both along bedding planes and in disc-shaped concretions.

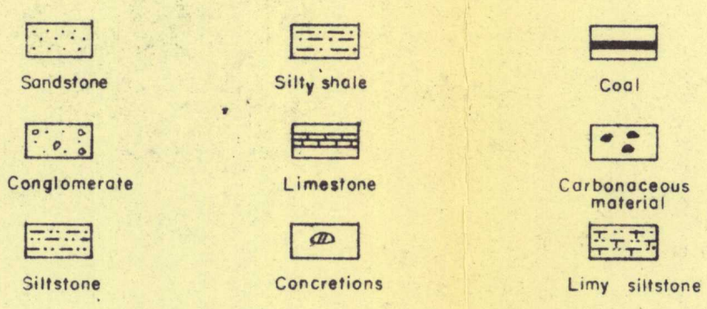
Nanek formation (JURASSIC)

Fault (?)

Massive green-gray, orange-brown weathering fine-grained moderately argillaceous sandstone. Wood fragments and disseminated carbonaceous material in lower part of unit. Inocerami, pelecypods and ammonites common.

Chignik formation (CRETACEOUS)

EXPLANATION



55 AKe 11 F — Position of fossil lots

55 AKe 25 PP — Position of samples for which porosity and permeability were determined

~?~?~ — Probable contact between Jurassic and Cretaceous

Vertical scale 1" = 200'

All thicknesses estimated

FIGURE 2. SECTION A AT CHIGNIK LAGOON