OF 201

ALASKAN GEOLOGY BRANCH
TECHNICAL DATA FILE

EXPLANATION FOR FIGURE 3

QUATERNARY

Pleistocene and Recent

Qag

Glacial and alluvial deposits

TERTIARY AND QUATERNARY

QTv

Basalt and andesite lava and pyroclastic rocks

TERTIARY

Paleocene and Eocene

Tk

Non-marine sedimentary rocks

Kenai formation in most of area; Chickaloon, Wishbone and Tsadaka formations in Wishbone Hill district; post-Kenai gravels in Kahiltna district

CRETACEOUS

Upper Cretaceous and Paleocene(?)

Ks

Sedimentary rocks

Marine sedimentary rocks of Late Cretaceous age (Matanuska formation), and non-marine sedimentary rocks of Late Cretaceous(?) or Paleocene(?) age (Arkose Ridge formation)

msg

Slatey argillite and graywacke

JURASSIC

Middle and Upper Jurassic

KJi

Plutonic rocks

Predominantly diorite and quartz diorite, includes granite in the foothills of the Alaska Range

Js

Marine sedimentary rocks

Naknek, Chinitna, and Tuxedni formations

Lower Jurassic

Jv

Marine volcanic rocks

Intermediate and mafic pyroclastic rocks and lava and interbedded marine sedimentary rocks. Includes Talkeetna formation

TRIASSIC

Upper Triassic

TR lc

Limestone and chert

TR lc(?)

Crystalline limestone and siliceous schist that may be Upper Triassic limestone and chert metamorphosed in a fault zone

PERMIAN OR TRIASSIC

TR Pg

Basalt and diabase, altered to greenstone

PRECAMBRIAN AND PALEOZOIC

ppЄs

Metamorphic rocks

Schist, gneiss, quartzite, crystalline limestone, slate and chert

Generalized contact

Includes inferred, indefinite, approximate and gradational contacts. Dotted where concealed

U D

Fault

Dashed where approximately located, dotted where concealed. U, upthrown side, D, downthrown side

? ? U D ? ?

Reverse fault

Dotted where concealed, questioned where doubtful. U, upthrown side, D, downthrown side

Denotes limit of geologic information

11,653' Dry hole

12,045' Oil well

15,047' Gas well

Test wells drilled for oil and gas, showing depth in feet

37 Reliable

32 Estimated

Aeromagnetic flight line, showing map location points and path of aircraft

(4) MOQUAWKIE CONTACT

Aeromagnetic trendline or contact, dashed where projected or where an alternative path is shown, questioned where doubtful

(7E)

Area of aeromagnetic anomaly

Location of aeromagnetic feature observed on one flight line