EXPLANATION FOR FIGURE 3

TERTIARY QUATERNARY QUATERNARY Glacial and alluvial deposits Basalt and andesite lava and pyroclastic rocks 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 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 KJi Slatey argillite Marine sedimentary rocks Plutonic rocks and graywacke Naknek, Chinitna, and Tuxedni formations Predominantly diorite and quartz diorite, includes granite in the foothills of the Alaska Range Marine volcanic rocks Intermediate and mafic pyroclastic rocks and lava and interbedded marine sedimentary rocks. Includes Talkeetna formation Crystalline limestone and siliceous Limestone and chert schist that may be Upper Triassic limestone and chert metamorphosed in a fault zone Basalt and diabase, altered to greenstone pp€s Metamorphic rocks Schist, gneiss, quartzite, crystalline limestone, slate and chert Generalized contact Includes inferred, indefinite, approximate and gradational contacts. Dotted where concealed Fault Dashed where approximately located, dotted where concealed. U, upthrown side, D, downthrown side Reverse fault Dotted where concealed, questioned where doubtful. U, upthrown side, D, downthrown side Denotes limit of geologic information 15,047' - 11,653' 12,045' Gas well Dry hole Oil well Test wells drilled for oil and gas, showing depth in feet X 37 Reliable 0^{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 Area of aeromagnetic anomaly

Location of aeromagnetic feature observed on one flight line

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