CF75 0040 1

(47)

Amoco Production Company

Surface Log

Name MACDOUGALL CREEK.

AREA OR QUAD McCarthy (C-8) **STATE** ALASKA

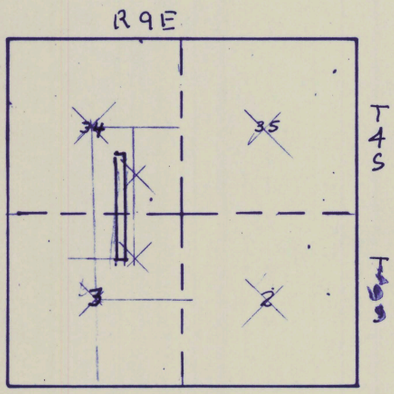
LOCATION E½ W½ SE. Sec 34 T4S, R9E CRM; NW NE **Sec.** 3 **TWN** 5S **RNG** 9ECRM.

MEASURED BY A. Grantz, USGS PP-550C **DATE** 1966

INTERVAL L. Cret- Nelchina Formation

REMARKS Section E of Grantz, etal (1966) U.S.G.S. pp. 550-C, p.C41 also section by L.J Rulla 6-25-60, visited, & sampled outcrop. 8-29-74. D. Powell & G. Streeton.

LOCATION _____ N _____ W



Periods (Systems)	Epochs (Series)	Group or (Formation)	Member	Ages (Stages)	Fossils	CORES	SHOWS	DEPTH	LITHOLOGY	POROSITY	SAMPLES	DESCRIPTION
CRETACEOUS	L. CRETACEOUS	NELCHINA FORMATION		HAUTERIVIAN				100, 200, 300, 400, 500			CR-3131	75' sh. dark grn-gy to black. silty and sdy w/ few thin beds sandstone. few thin fossilif. calc. beds. 150' calcarenite Lt gy-wh., composed of finely comminuted prisms of Inoc. shell. 75' ss, bro-gy, grn-gy or olive gy. fossilif, x-bd, calc. w/ frags of Inoc. shells. SS & interfingued greatly. 25' cgl. pebbles, cobbles, boulders, calc, abund. Inoc. prisms, x-bd. clasts of cgl. & ss, dom. greenstone, Ls. and argillite were derived from subjacent formations. Overlies Triassic McCarthy Fm. (limestone & shale), and granodiorite intrusion.
												unconformity
TRIASSIC	UPPER TRIASSIC	McCARTHY FM.										K-Ar age of granodiorite 141 ± 5 m.y.