CF75 0040 1101

(57)

Amoco Production Company

Surface Log

Name NORTHEAST NIKOLAI MINE

AREA OR QUAD McCARTHY (B-5) **STATE** ALASKA

LOCATION SENWSW, SWSW **Sec.** 35 **TWN** 4S **RNG** 15E, CRM

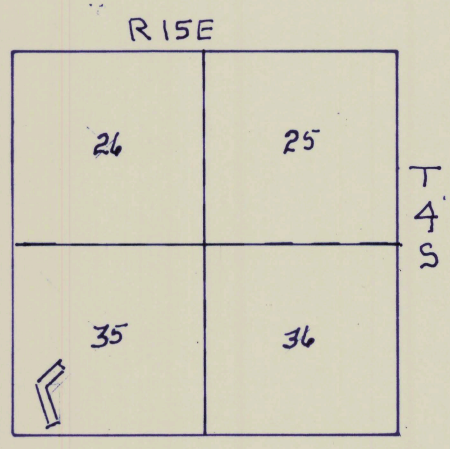
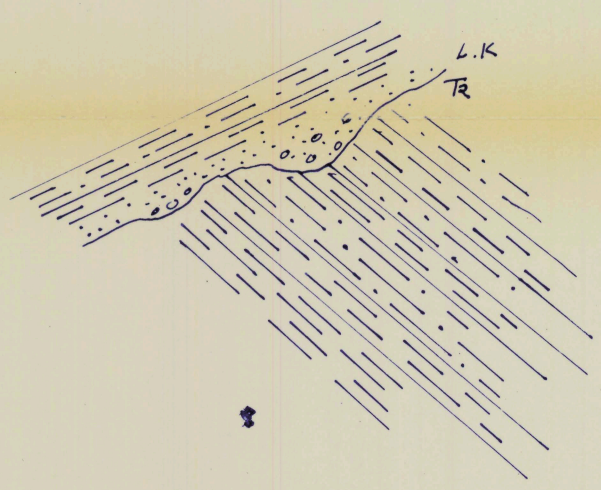
MEASURED BY D. Loney, G. Streeton, D. Powell **DATE** 8-23-74

INTERVAL L. Cret - Kennicott & Schulze Fms - Triassic - McCarthy Fm

REMARKS Measured (Estimated) & spled up section from ∠ unconf. Contact of L.K. - Kennicott Fm & Triassic - McCarthy Fm (Lower Member) Located on east side of the divide between Nikolai Ck & West Trib. of Nizina River

LOCATION _____ N _____ W

PLOTTED JDP **DATE** 11-14-75



PERIODS (SYSTEMS)	EPOCHS (SERIES)	GROUP OR FORMATION	MEMBER	AGES (STAGES)	FOSSILS	CORES	SHOWS	DEPTH	LITHOLOGY	POROSITY	SAMPLES	DESCRIPTION
CRETACEOUS	UPPER CRETACEOUS	SCHULZE FM.		ALBIAN				300			CR-1087P	Sltst to Sh, very diagnostic yell-bro to orange-bro wx'd color, gy on fresh surfaces, hd, silic, thin-bdd-up to 4", fissile to blky rubble, fossil s.f.-pelecypods at 1230'
											CR-1086P & CR-1085F	
								200			CR-1084P	
												Silic sh & sltst aa
											CR-1083P	Fm contact sharp through poorly exposed from recessive shly unit below to overlying silicebus unit
	LOWER	KENNICOTT FM.						100			CR-1082P	Sh, dirty gy, slty, rare intebds cglic ss (up 1") w/clasts of bk ch & gy-bk sh up to 2" dia., Ang., p. sort in orange wx'g slty-sdy matrix.
											CR-1080P	Sh & sltst, very recessive, p. exposed (soil) Prob. purplish-grnish sh, slty, sdy, soft, badly wx'd & grn sltst.
												SS, dk gy-bro-gy, cg-cglic (pebbly) as at base, dom. bk ch. grains, minor qtz & s/lithic frags, p-sort, sr, matrix of orange wx'g sltst.
											CR-1081L	SS, bro-gy, fg, well-sort, argil, platy, tight
								0				Int bd SS, f-mg w/cg & pebbly ss (up to ½" bk chert pebs) dk gy, wx or-bro, over 4' interval w/c pebs at base, p. sort, sr-r, platy-blky, argil carb sh matrix in cgl. p. porosity. Bed strk N40°W Dip 25° SW
												∠ UNCONFORMITY @ 40° Discordance
TRIASSIC	UPPER TRIASSIC	McCARTHY FORMATION	LOWER									Sltst to Mudst, dk gy, hd, silic, limy. Erosional cutting of up to 15' noted in sltst-mudstone