CF75 0040 ~~1109~~

(20)

Amoco Production Company

Surface Log

Name IDAHO CREEK

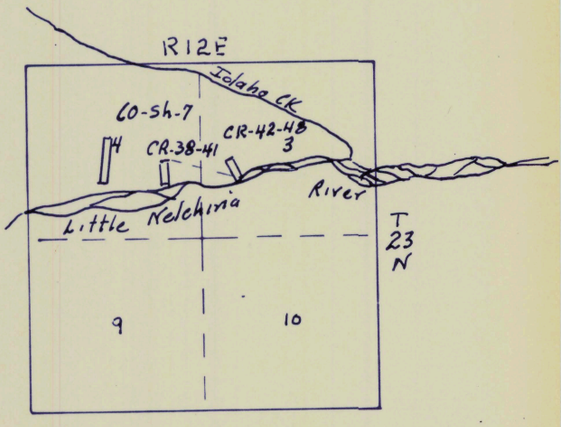
AREA OR QUAD TALKEETNA MTNS (A-1) **STATE** ALASKA

LOCATION NWSW Sec. 3, NWNESE Sec. 4 **TWN** 23N **RNG** 12E, SM

MEASURED BY D. Powell, G. Streeton, D. Loney **DATE** 7-18-74

INTERVAL UPPER JURASSIC-NAKNEK FM (UP. CgL FACIES)

REMARKS Sampled along the Little Nelchina River @ .7 & 1.1 miles west of confluence with Idaho Ck.



LOCATION _____ N _____ W △ Indicates Sample Cut for Source Rock Analysis

PLOTTED 2-27-75 J.D.P.

PERIODS (SYSTEMS)	EPOCHS (SERIES)	FORMATION	MEMBER	AGES (STAGES)	FOSSILS	CORES	SHOWS	DEPTH	LITHOLOGY	POROSITY	SAMPLES	DESCRIPTION
JURASSIC	UPPER JURASSIC	NAKNEK FORMATION		KIMMERIDGIAN	LOC. 7773 Phylloceras? INDET. gastropods INDET. belemnite Buchia concentrica → rugosa						CR-48P & 47F	Hvy vegetation above. Much sltst & sh to east. Interbd'd unit of v thin beds sltst & sh, gy-dk gy w/thin Coquina beds. Sples from papery sh and Coq. beds (Pelecypods)
											CR-46P & 45F △	Sh, dk gy, blocky-fiss, firm, Calc. Concs. Large Ammonite in conc. zone. (picture)
												Sh, dk gy aa, abund. fossils in Concs.-Ammonites, belemnites, gastropods.
								100			CR-44P	Sh, gy-dk gy, blocky-platy, soft to firm.
												CgL (5') w/3' sh, aa at base filling large "scour" struct, Long worm? tube in sh.
												SS, gy, f-Cg, sli CgL'ic (pebble) thin bd, shly, 12-15' thick (varys due to scours)
											CR-43P	Sh, gy; dk gy, blky-platy, soft, Non-Calc w/gy calc. Cmcs, few pyritic, sharp basal contact
											CR-42P	SS & CgL unit, Top 10' interbd'd. CgL facies eastward to ss, gy, f-Cg soft-fri, fair poro, badly wx'd. Lower 10' mass. CgL. This unit equiv to top of mass. CgL at 165' in Little Nelchina River (60-Sh-7) section. Paly sple from sdy & slty matrix. base concealed by stream.
								200				CgL, gy-bro, pebble-cobble & scat boulders to 2'. Many lenses of ss & CgL. Lithic clasts are granitic & rolc. Mat'l & s/sh from underlying UN units. Matrix is f-Cg ss, x-bd'd & in pt. shly, p-f poro. ss lenses more porous than CgL.
											CR-41P	Mostly ss w/ shly lam.
												CgL. aa, spled thin ss, m.g, shly p-f poro, Low perm.
								300			CR-40P	
											CR-39P	CgL, aa, sple mostly from ss lenses, 3-10' thick, fining upward from pebble-cobble at base. X-bd, shows southerly direct^n steep dip angle @ 30°, unimodal, p-f poro
												CgL, aa. Sple from large gy-grn sh clast.
											CR-38P	
								400				CVD BY RIVER BED