CF75 0040

(19)

Amoco Production Company

Surface Log

Name LITTLE NELCHINA RIVER (60-Sh-7) (WEST OF IDAHO CREEK)

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

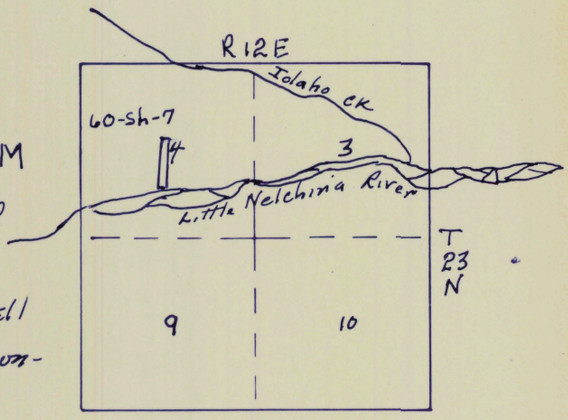
LOCATION SENW, NESW **Sec.** 4 **TWN** 23N **RNG** 12E SM

MEASURED BY B. Shaw & L.S. Rolla **DATE** 5-19-60

INTERVAL UPPER JURASSIC - NAKNEK

REMARKS Plotted section 1"=100 on film 2/20-75 by J.D. Powell
Sampled equivalent section @ 1/3 @ 3/4 miles downstream on July 18, 1974

LOCATION _____ N _____ W



PERIODS (SYSTEMS) EPOCHS (SERIES)	FORMATION	MEMBER	AGES (STAGES)	CORES	SHOWS	DEPTH	LITHOLOGY	POROSITY	SAMPLES	DESCRIPTION
JURASSIC	UPPER JURASSIC	NAKNEK FORMATION				100			60-Sh-7 0'-4' 19.9% φ 1.1 mds.	Interbd'd f-vf & mg, shly, calc. ss, siltst & mudst w/lenses of x-bdd f-mg calc ss w/good porosity w/thin lenses (up to 2') Cgl, Rd, diorite & meta-volc. frags w/ vf-fg sdy, shly matrix!
						200			60-Sh-7 167-175' 21.7% φ 14 mds	SS,
										Cgl, as below
						300				SS, Fg, qtz sa, xbd, Lentic Cgl, as below SS, Fg, qtz, sa, xbd'd & Lentic
										Cgl, gran boulder large clasts dom. qtz diorite, small clasts dom. meta-volc clasts, rdd poorly sorted matrix of vf, f-cg, an-sa qtz, meta-volc, felds, v/poorly sorted, x-bdd & lentic.
						400				CVD
										Cgl aa
						500				End SECTION AT edge of River.

490' total
Cgl 330'
Cgl-ss 160'
@ 30% JNbs.
φ analysis 19.9-21.7% porosity
1.1 - 14 mds

190'
P200' Good porosity in lenticular SS.