0040

CF75 1100 1

(55)

Amoco Production Company

Surface Log

Name BEAR CREEK

AREA OR QUAD McCARTHY (C-6) STATE ALASKA

LOCATION SW SW Sec 14, SE SE SE Sec. 15 E E/2 E/2 Sec. 22 TWN 4S RNG 12E CRM

MEASURED BY D. Powell & G. Streeton DATE 8-25-74

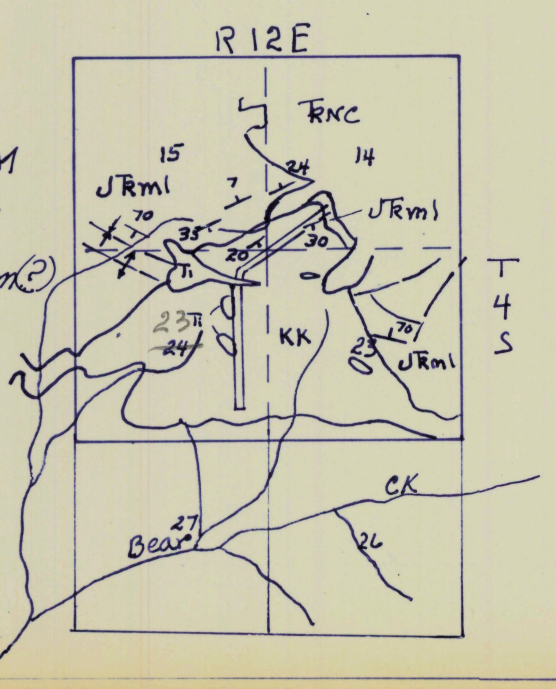
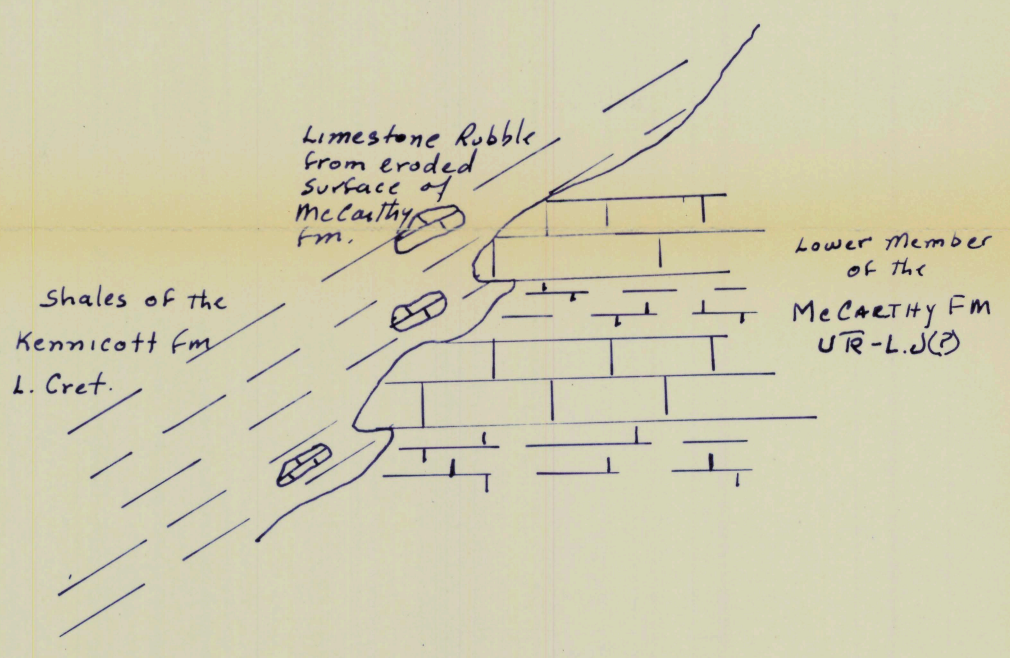
INTERVAL Lower Cret - Kennicott Fm, Up. Cret. Chititu Fm(?)

REMARKS Spled & Measured (estimated) Kennicott Fm near its designated type locality. Section was traversed along a SW to So. trending ridge drained by north tribs. of Bear Ck. Basal contact with Ꞧ - McCarthy Fm is a strong angular unconformity

LOCATION _____ N _____ W

PLOTTED JDP 3-11-75

△ Indicates Sample cut for Source Rock Analysis.



PERIODS (SYSTEMS)	EPOCHS (SERIES)	GROUP OR FORMATION	MEMBER	AGES (STAGES)	FOSSILS	CORES	SHOWS	DEPTH	LITHOLOGY	POROSITY	SAMPLES	DESCRIPTION
CRETACEOUS	UPPER CRETACEOUS	CHITITU FORMATION		CENOMANIAN							CR-251P	Sh, dk gy, soft, wx's to fine, rd'd frags on surface.
								100			CR-250P	Sh, aa
								200			CR-249P	Sh, aa, poorly exposed unable to obtain dip & strike.
								300				
								400			CR-248P △	
								500				Sh, dkgy, soft, wxs to fine rdd frags.
								600				
								700				Poorly exposed.
					?			800			CR-247P	Cgl, dkgy-bro, mass, pebble-boulders, much from McCarthy Fm, ang-subang w/shly, sdy, dirty matrix tite, looks like channel deposit.
								900			CR-246P	Sh, aa, wx's blocky & fissile
								1000				Sh, dkgy-grn-gy, slty, non-calc, wxs blocky.
	LOWER CRETACEOUS	KENNICOTT FORMATION		ALBIAN				1100			CR-245L	SS, gy-grn-gy, fg, well sorted calc. poor p&p. fossils - pelecypods.
								1200			CR-244P	Sh, blk, slty at base of overlying SS, Unit.
								1300			CR-243P	Igneous sill 6-8' thick, yell-tan Sh, aa, w/gy wx'd bro Ls concs, hily frac'd, vitreous, calc, up pt @ 36' of slty calc concs or limy sltst, sh sli slty w/occ'l fossils - pelecypods.
								1400			CR-242P △	Sh, blk almost vitreous, soft, wxs splintry, calc, v/sli slty; w/blocky hily frac'd calc. concs(?) or Ls. s/ appear to be pieces of McCarthy Fm Ls enclosed within KK shales in lower pt.
TRIASSIC AND(?) JURASSIC	UP. TRIASSIC AND LOWER JURASSIC(?)	McCARTHY FORMATION	LOWER MEMBER					1500			CR-241P	∠ unconf & erosional contact w/lower member of McCarthy Fm. Ls, gy, hd, dense.