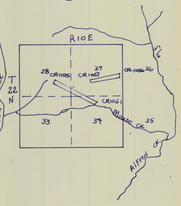
CF75 5660 Mod

Amoco Production Company

Surface Log

(B)



Name MOUSE CREEK

AREA OR QUAD NELCHINA AREA STATE ALASKA

LOCATION Sec 22 T 22N RNG 10E, SM

MEASURED BY D. Loney & STREETON DATE Aug 7/77

INTERVAL Nanok-Chinitna Tuxedni Formation

REMARKS Worked downsection on U.S.G.S. Section 8-8 Smooth Hookwork approx. 3 miles North of Alfred Creek (Between Flume and Mouse Creek)

LOCATION N W △ Indicates sample Cut For Surface Rock Analysis

PLOTTED BY DATE

PERIODS	EPOCHS	GROUP or FM. MEMBER	AGES (Years)	FOSSILS	ZONES	SHOWS	DEPTH	LITHOLOGY	POROSITY	SAMPLES	DESCRIPTION
LCRET.	UCRET.	Matanuska Fm. Beaver Ss.	Cenomanian				100			CR-1032	Sandstone, olive grey, weathers brownish, fine grained, well sorted, subrounded, friable. Siltstone & calcareous. Hard, massive, noncalcareous, clay forming mat. Thin pebbly lenses with well rounded pebbles up to 1/2 diameter. Finer coarser grained arkosic sandstone. Intercalated with silty shale and sandstone, red brown weathering, calcareous, massive, coarse grained sandstone in big lacustrine sandstone mass. Tight
											125-178 covered.
							200			CR-1033 △	Shale olive grey weathers grey-yellow non calcareous soft, recessive, rare black rock, and yellow weathering siltstone beds.
							300			CR-1033F	Interbedded arkosic and siltstone, with minor sandstone beds (8" thick), olive grey, weathers buff brown, platey, flaggy, medium grained arkosic with quartz, feldspar, and mica, subangular-subrounded, moderately sorted, cemented in calcareous. Minor coarse grained arkosic ss, thinly bedded, black, weathers yellow brown, calcareous with lighter grey ss. Shale, olive grey, quartz beds are up to 10" thick, generally 6" thick or more thicker than shales.
							400			CR-1033F	
							500			CR-1033F	
							600			CR-1033F	Interbedded shale, siltstone, and shale with arkosic sandstone, up to 3' thick. Sandstone is coarse to fine grained, fining up, pebbly
		NANIEK FM.					700			CR-1034F	Interbedded gray siltstone and shale, with minor olive gray arkosic sandstone, brown weathering, medium coarse grained, poorly sorted tight pebbly ss. Calcareous. Intercalcs consists of fossil small clasts and bioturbated capped by sandstone.
							800			CR-1034F	Shale black, weathers gray to olive, gray, recessive with interbedded olive gray weathering calcareous siltstone.
							900			CR-1034F	Shale as above with 10% interbedded medium-coarse grained, arkosic ss poorly sorted sub angular, tight.
							1000			CR-1035F	Interbedded shale and gray siltstone, with minor interbedded medium coarse grained arkosic ss, poorly sorted sub angular.
							1100			CR-1035F	Lithology as above, with a few calcareous iron stained concretions.
							1200			CR-1035F	Lithology as above, but with common yellow brown weathering concretions
							1300			CR-1036F	Shale grey soft weathers to a red colored soil.
							1400			CR-1037 △	Covered by a vegetation, weathers to a red colored soil.
							1500			CR-1038F	
							1600			CR-1039F	
							1700			CR-1040F	Interbedded with silty shale and sandstone, red brown weathering recessive, soft, platy, with sandstone, fine grained, well sorted, subrounded, olive grey, weathers buff, well bedded, calcareous, coarser grained, olive grey, weathers yellow brown, well bedded, calcareous, coarse grained, weathering yellowish, locally concretionary containing wood fragments and pelecypods.
							1800			CR-1041F	
							1900			CR-1042F	
		CHINITNA FM.					2000			CR-1043F	Interbedded silty shale and calcareous, very fine grained ss, rare spire, soft yellow brown or rusty brown. Some interbedded dolo olive grey calcareous siltstone, brown weathering, platy to blocky. Some well bedded arkosic sandstones, coarse grained, olive grey weathering yellow brown, well sorted, well rounded, calcareous, locally very coarse, weathering yellowish, locally concretionary containing wood fragments and pelecypods.
							2100			CR-1044F	
							2200			CR-1045F	Large thin shelled pelecypods. Lithology as above.
							2300			CR-1046F	Covered @ 2200 covered slumped.
							2400			CR-1047F CR-1048L CR-1049F	Sandstone olive grey weathers brownish grey, fine grained, well sorted, non calcareous, looking massive (up to 30" thick) interbedded clay forming. Minor interbedded siltstone and laterite. Grained, platy, arkosic sandstone, poorly sorted angularness high.
							2500			CR-1050L	
							2600			CR-1051L	Sandstone olive grey, weathers grey-brown, fine grained, well sorted, subrounded. Massive, clay forming hard resistant with classic blocks, talus slope, rarely broken, 4' thick with sub-rounded pebble in dolo stone matrix. Flat lying pelecypod shells and shelly detritus are common as well. Intermittent.
	MIDDLE JURASSIC	TUXEDNI FM.					2700			CR-1052L	
							2800				
							2900				
							3000			CR-1054L	Clay forming interval, composed of angular fragments of angular arkosic, siltstone, and well sorted silty or bioturbic material, in a tuffaceous silty matrix.
	LOWER JURASSIC	TALKEETNA FM.					3100				Traversed back to ridge top, moved along strike, and examined sandstone section with but peak, turned in a fault. Could not well make displacement.
EPRAT							3200				
	MIDDLE JURASSIC	TUXEDNI FM.					3300			CR-1057F	Sandstone, olive grey, weathers brownish grey, rusty, rubbly, fine medium grained, well sorted, sub-rounded, calcareous, non-calcareous, forms crest of ridge.
							3400			CR-1058F	
							3500			CR-1059F	Covered rust weathering soil, free sands shale or silt. Sandstone, olive grey, weathers mottled grey, silty, fine medium grained, dec pebbly, olive grey arkosic sandstone pods.
							3600			CR-1060F	Large thick shelled pelecypods common along bedding surfaces.
	LOWER JURASSIC	TALKEETNA FM.					3700			CR-1061F (Missing)	Silty clay or siltstone yellow weathering very soft recessive, mostly covered. Contact with underlying "Talkeetna" unit not seen.
							3800			covered	
							3900				
							00				