CF75 0040 11100

Amoco Production Company

Surface Log

(4)

Name LIMESTONE GAP (BUBB CREEK)

AREA OR QUAD TALKEETNA MTNS (A-2) STATE ALASKA

LOCATION E/2 NW, SW NE, & NW SE Sec. 22 TWN 23N RNG 10E. SM

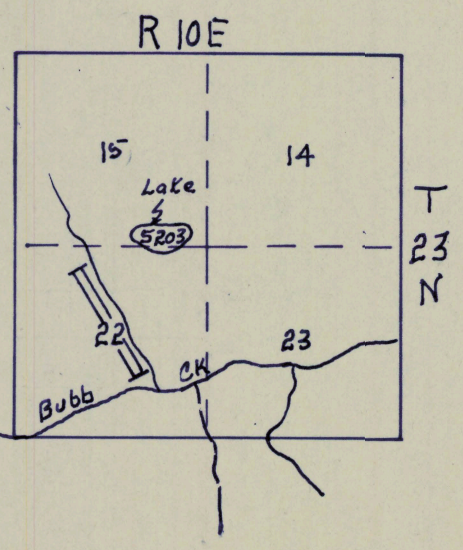
MEASURED BY D. POWELL, D. LONEY, G. STREETON DATE 8-5-74

INTERVAL LOWER CRET - NELCHINA FM

REMARKS SAMPLED & MEASURED DOWNSECTION THE LOWER PART OF THE LIMESTONE GAP - STRAT SECTION NO 4 OF GRANTZ (1953) Ages Modified from Grantz (1965) OPEN FILE REPORT

LOCATION _____ N _____ W △ Sample cut for Source Rock Analysis

PLOTTED 2-2-75 BY JDP



PERIODS (SYSTEMS)	EPOCHS (SERIES)	GROUP OR FORMATION	MEMBER	AGES (STAGES)	FOSSILS	CORES	SHOWS	DEPTH	LITHOLOGY	POROSITY	SAMPLES	DESCRIPTION
CRETACEOUS	LOWER CRETACEOUS	NELCHINA FORMATION	UPPER SANDSTONE	HAUT. AND POSS. BARREMIAN				0				125' SS, blu-gy, F & Mg, Med & thick-bd, Cross-bdd Predom. qtzose w/thin interbds of sltst.
								100				10' CVD
												60' SS, blu-gy, f-Mg, Mass, x-bd, Predom qtzose
								200				15' SS, blu-gy, Fg, thin-bd
											CR-2114P △	20' CVD (Sple of sh, olive-gy, slty collected about 1 mile west in same interval for paly & Source Rock)
			NELCHINA LS	HAUTERIVIAN			STRONG OIL ODOR	300				130' LS, v/Lt gy, Fg, Mass, sdy, Comp. of comminuted Molluscan Shells (Inoc. Prisms) strongly Wave rippled. A few widely spaced sltst ptgs. Emits Fetid odor when Struck.
					52AG2174 A.M.F.							30' CVD BY TALUS Est. base of Ls
			LOWER SANDSTONE		Aucella crassa Parlow Aucella crassicollis Keyserling			500				140' SS, yell-bro & gyish-Olive-bro, F-Mg, Mass, this SS is principally qtzose but Cont s/ feldsp. beds. Interfm'l Frags of sltst & SS occurs at the base. Most of unit consists of Large casts of Aucella (Buchia) Crassa & A. Crassa-Collis
											CR-1201P	Sple in shly ss.
												25' Int-bd thin to thick-bd, Olive-gy, Sltst & Fg. feldsp, qtzose SS
												10' SS, f-Mg, thick-bd, Feldsp & qtzose, Shelly & pebbly.
								600				135' Pebble & Cobble Channel Cgl w/ a matrix of qtzose, Feldsp. SS. Fossils are numerous and many SS Lenses occur. X-bd, w/ sa & No. dip Peb-Cob. 1-2" rarely 6"
											CR-121P	Sple from Matrix Shly SS & thin Shly SS. Consid. Mud in matrix. Foss. Ls (Belem. & Pelecy) No damaged.
								700				30' SS, thin & Med-bd, Shelly w/ Pebbly Stringers
												15' Pebble and Cobble Cgl.
											CR-122P	15' SS, yell-bro, M-Cg, Shelly & qtzose
				VALANGINIAN	Mes. Loc 24186 Aucella crassicollis Keyserling Aucella crassa Parlow			800			CR-123P	40' SS, yell-bro, Fg, Mass, qtzose, contains s/ thin white Layers which are v/hd. The Unit is fossilif. (White Mat'l is poss. Tuff.)
												Cgl Lense, X bd dip to North, Paly sple from Shly, fossil, SS-sltst Base Cro
												Sple CR-122P from Silty gy Mudst-sltst, Lateral to or shi below. Cgl.
								900				Sple CR-123P from SS-sltst, shly, fossil beds in thin Cgl Lense. X bd dip to North
								1000				