CF75 0040

Amoco Production Company

Surface Log

(9)

Name CHITNA CREEK

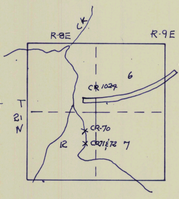
AREA OR QUAD ANCHORAGE D-3 **STATE** ALASKA

LOCATION SW, NW, SW Sec. 5 S/2 Sec. 6 Twp. 21N RNG. 9 E SM
SE SE, SE 1/4 E/2 E/2 Sec. 12 TWN 21N RNG 8 E SM

MEASURED BY D. LONEY, G. STREETON, D. POWELL **DATE** July 26, 74

INTERVAL CHINITNA - TUXEDNI FORMATIONS.

REMARKS ELEVATION 6360 WORKED TOWARDS CHITNA CREEK. SECTION 15 cut by several intrusives at 800-1200 AND faulted.



LOCATION _____ N _____ W

PLOTTED P.A. **DATE** 4-15-75

△ Indicates Sample cut for Source Rock Analysis

PERIODS (SYSTEMS)	EPOCHS (SERIES)	GROUP OR FORMATION	MEMBER (ZONES)	FOSSILS	CORES	SHOWS	DEPTH	LITHOLOGY	POROSITY	SAMPLES	DESCRIPTION
JURASSIC	(?) MIDDLE AND/OR UPPER JURASSIC	(UPPER TUXEDNI AND/OR CHINITNA FORMATION								CR-1007P	Sandstone, grey-green weathers grey-green, very fine-fine grained, calcareous tight. Shale, grey weathers light grey, fissy recessive, unbroken coaling, flinty sandstone, v. fine grained, olive grey weathers grey-green argillaceous tight, pebbly. Lower part of interval is more shaly, recessive, shale grey, weathers light grey, soft recessive, not calcareous, weathers blocky in rubble. Have bede of sandstone, very fine fine grained, grey green weathers rusty brown, poorly subangular tight possibly arkosic.
							100			CR-1008P	
							200			CR-1009P △	Lithology as above with numerous specks and very small cylindrical burrows.
							300			CR-1010P	
							400			CR-1011L	Intrusive sill, most weathering, hard recrystallized, phanitic, with colour as above, with siltstone - v. fine grained as above.
										CR-1012P	
							500			CR-1013P	
							600			CR-1014P	Sev. 25 siltstones v. fine grained sandstones most common, interbedded with shales. Some calcite-filled rhys - may have been fossils.
							700			CR-1015L @ G75	Shale, as above, interbedded platy siltstone, green-yellow, very hard, al calcareous interval is very recessive.
							800			CR-1016L	Covered. Talus is orange weathering hard, platey to blocky, intrusive sill or volcanic, aphanitic, possibly pyroxenitic, calcareous
							900				Covered.
							1000				Intrusive, or volcanic rocks, green stained, hard massive, resistant, tiff for ring, flaky and green weathering
MIDDLE JURASSIC	TUXEDNI GROUP		MIDDLE BAJOCIAN				1100			CR-1017P (1000?) CR-1018P (1000?) CR-1019P (1000-1040) CR-1020P (1020-1025) CR-1021P (1030-1040)	Sandstone, v. fine grained, grey green, white, grey-green, mostly sub angular, poorly sorted, calcareous, carbonaceous, brilliantly tight. Bedding is platy to blocky, recessive, very locally circular lenses of pebbles with numerous fossiferous pebbles. Numerous (1060-1120) (1020-1040) shale, grey weathers grey-brown, soft calcareous, recessive
							1200				1040-1200. Covered outcrop numerous sills faulted.
							1300			CR-1022P Grab spls CR-70P CR-71F CR-72L	Interbedded shale, siltstone, siltstone generally dark green in color with grey, rusty cream, black. Bedding is wholly shaly interval, nodular concretionary (1240-1280) More shaly interval. Shale are covered with fossil leaves, conifers, some carbonaceous debris (1280-1330 - contact see below).
							1400			CR-1024P	Siltstone, very v. fine grained sandstone, grey-green, weathers rusty, soft shale, recessive, poor well sorted, interbedded. Some interbedded sandstone up to 10' thick, v. fine grained, hard platey / sp. vacuous w/ pebbles and belemnites locally parting and stringers are common.
							1500				Sandstone, black, weathers black, blocky or silty appearance, dense tight fine medium grained, poorly sorted siltstones tight. Common round elongated pebbles, scattered carbon debris. Interval looks altered, heated or scorched.
							1600				
							1700				
							1800				
							00				