CF75 0040
0102

(36)

Amoco Production Company

Surface Log

Name PHELAN CREEK SECTION

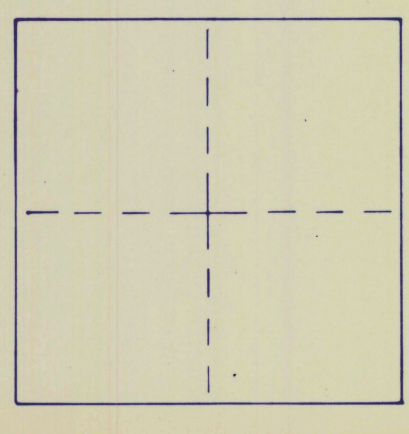
AREA OR QUAD MT. HAYES (A-4) STATE ALASKA

LOCATION W/2 SW NE, NW SE, NE SW SE Sec. 36 TWN 19S RNG 11E CRM, FM.

MEASURED BY D. Powell, G. Streeton, D. Loney DATE Friday 8-9-74

INTERVAL Tertiary

REMARKS Sampled and measured down section along a North Tributary of Phelan Creek. Traverse started about 100' below top of ridge.



△ Indicates sample Cut for Source Rock Analysis

LOCATION ____ N ____ W

PLOTTED P.A. DATE ____

PERIODS (SYSTEMS)	EPOCHS (SERIES)	GROUP OR FORMATION	MEMBER	AGES (STAGES)	FOSSILS	CORES	SHOWS	DEPTH	LITHOLOGY	POROSITY	SAMPLES	DESCRIPTION
TERTIARY.								0				Not sampled. Appears to claystone and silty clayey sandstones and congls. as below.
								100			CR-148P	Clastone and silty clayey sandetone in congl, grey-green to brown, pebble-cobble. Much carbonaceous material and large pieces of carbonated (lignitic) bark (?) and trunk, some with soft woody character
								200				Shale to claystone and siltstone badly weathered.
											CR-149P	Shale grey weathered very soft, and siltstone overlying conglomerate.
								300				Conglomerate as above.
												Badley weathered and covered. Appears to be mostly pebbles congl. with some shale and siltstone. A pebble conglomerate with pebbly sandstone, calcareous overlies the unit below
								400			CR-150P	Shale and shaly siltstone, carbonaceous
												Alternating pebble congl. siltstone and shales
											CR-151P △	Shale, grey, silty, carbonaceous, Raining hard.
											CR-152P	Siltstone and shale and pebble-cobble conglomerate.
								500				Shale as above, carbonaceous plus lens of brown lignitic shale with lots of flexible wood fibers
											CR-153P	Siltstone, shale and conglomerate.
												Shale carbonaceous and lignitic
								600			CR-154P	Lignitic shale, carbonaceous terminated section. Cold and soaking wet.
												Whole sequence is cyclic with pebble or pebble cobble conglomerates, siltstones, lignitic shale.
								700				
								800				
								900				
								1000				