

Amoco Production Company

Surface Log

Recovery
 E = Excellent
 Mo = moderate
 G = good
 ● = Pollen

Name NE Veriaminof MtAREA OR QUAD Chignik B-4 1:63,360 STATE AlaskaLOCATION Sec. 6 TWN 45S RNG 63WMEASURED BY L. Smirnov, B. Connelly DATE 8/24/77INTERVAL Tachilni Fm.REMARKS The beginning of the section at the elevation 1100' at the top of ridge, the end - at the bottom of valley measured down sectionLOCATION 56°19'N 159°10'WPLOTTED BY L. Smirnov DATE 8/26/77

PERIODS

PERIODS	EPOCHS	GROUP or FM.	MEMBER	AGES (Stages)	FOSSILS	CORES	SHOWS	DEPTH	LITHOLOGY	POROSITY	SAMPLES	DESCRIPTION
								①				Ss and conglomerates as below (1) observation from helicopter
								100				
								②				Conglomerates, boulder size, volcanic clasts, volcanic ss as matrix. Erosional lower contact.
								200			2232 L	Siltstone, white, unstained, poorly sorted, porous, local conglomerate lenses up to 1' thick.
								300			2233 Pf G	Ss, yellowish, f-g, well sorted, subrounded, quartzaceous with heavy minerals, poorly cemented, very porous, parallel lamination, small x-beds, scour-and-fill structures, herring-bone, looks like beach deposits.
								400			2234 Pf E	Siltstone as above with tiny coalified wood fragments and abundant muscovite. Thin conglomerate interlayers.
								500			2235 G 15.9 ± 1.8 my BP	Ss as above
								600			2236 Pf Mo	Siltstone as above
								700				Interbedded ss and siltstone as above
								800			2237 Pf Mo	Conglomerate as above (up to boulder size) Interbedded of gray felsic tuff with hornblende
								900			2238 Pf Mo	Conglomerate pebble size, volcanic clasts, polymictic matrix
								1000				Ss, conglomeratic, yellow-gray, well rounded, poorly sorted, polymictic, fair porosity
								1100				Siltstone, coarser than above, with coal and coaly shale interbeds up to 2' thick
								1200				Conglomerate, pebble size with many lenses of carbonaceous ss, c-g, poorly sorted, polymictic, poorly cemented, fair porosity. Interval looks like fluvial
												Ss, conglomeratic, buffaceous with hornblende with coal interbeds up to 2' thick at the top and the bottom.
												Interbedded conglomeratic ss, ss, thin coal interbeds as above.
												Siltstone, gray with several coal interbeds up to 2' thick.
												Interbedded ss, light-brown, m-g, subrounded, sorted, argosic, with heavy minerals, poorly cemented, good porosity, conglomerate, and siltstone as above; single coal interbed up to 1' thick.
												Covered interval.
												Summary: Unit 3 (probably 1) composed mainly of sorted quartzous ss and white siltstones and looks like beach and shallowest marine deposits.
												Unit 4 composed mainly of polymictic conglomerates and ss siltstone and coal and looks like fluvial and lagoonal-tidal flat deposits.
												There is general transgression from fluvial-lagoonal (unit 4) to beach-marine (unit 3) environments. X-beds suggest NE dip of paleoslope (not enough measurements). Evidence of volcanism along all section. Section was done very quickly because of bad weather.

24
 72
 S70E 10 large x-beds
 N75W 25 }
 N50E 10 } small x-beds

Pliocene

Tachilni Fm.