

Amoco Production Company

Surface Log

Name Zachary Bay Section
 AREA OR QUAD Port Moller STATE Alaska
 LOCATION Zachary Bay Sec. 5 TWN 56S RNG 74W
 MEASURED BY L. Smirnov, C. Pierce DATE June 77
 INTERVAL Unga Conglomerates
 REMARKS This section exactly at the place Burk's section 16^a at the Zachary Bay's west beach. Separation of this section based on strong lithological change Unga Congl. to the south

LOCATION 56° 21' N 160° 39' W (see North Unga I. section).
 PLOTTED BY L. Smirnov DATE June 27/77

Recovery
 P = poor
 G = good
 MO = moderate
 O = Pollen

PERIODS	EPOCHS	GROUP or FM.	MEMBER	AGES (Stages)	MAIN FOSILS	CORES	SHOWS	DEPTH	LITHOLOGY	POROSITY	SAMPLES	DESCRIPTION
								0				Top of the section placed at the top of the White Bluff just below remarkable breccia (Unit 4 North Unga I. section), which is a correlative horizon for North Unga Island
								12'	ss-yellow-tan, poorly sorted, f.m.g. transverse to congl. ss, arkosic grades laterally		Unit 2 AP 3039 PP 51.7% 20.1 MO	
								76'	Unit 3-4 Conglomerate and congl. ss. Matrix ss as above. Cross-bedding sets up to 4' thick. Trend S60W		Unit 5 AP 3040 PP 40.5% 167.0 MO	
								123'	Unit 6 Siltstone, gray, micaceous, weathered to small blocky fractures		Unit 7 AP 3041 PF Unit 7 AP 3042 PF	
								135'	Interbedded siltstones and ss as above. Cross-bed sets up to 1' Trend N70W		Unit 8	
								200'	Interbedded: ss, conglomeratic ss and small pebbles conglomerate as above. Cross-bed sets up to 10" Trend S65W		Unit 9	
								255'	Unit 10 Conglomerate, clasts up to 2', mostly andesitic, matrix ss as above		Unit 11 AP 3043 PF B	
								320'	Interbedded: siltstones, claystones and m-fg ss as above. Cross-bed sets up to 1' Trend N70E		Unit 12 AP 3044 PF MO	
								395'	At the base of Unit calcareous ss concretions up to 2' thick. Lignitic zone 10' thick		Unit 11 AP 3045 PF P	
								400'	ss as above with big concretions up to 3' thick. Cross-bedding sets in upper part of the unit up to 3' thick. Trend S20E and N80E. Thin lignitic layer		Unit 12 AP 3046 PF P	
								435'	Interbedded: siltstones and claystones, very carbonaceous			
								450'	ss, gray, m-fg, volcanic clasts; ss, white, m-fg, tuffaceous			
								500'				
								550'				
								600'				

End of the section placed on the beach.