

HOLE SUMMARIES

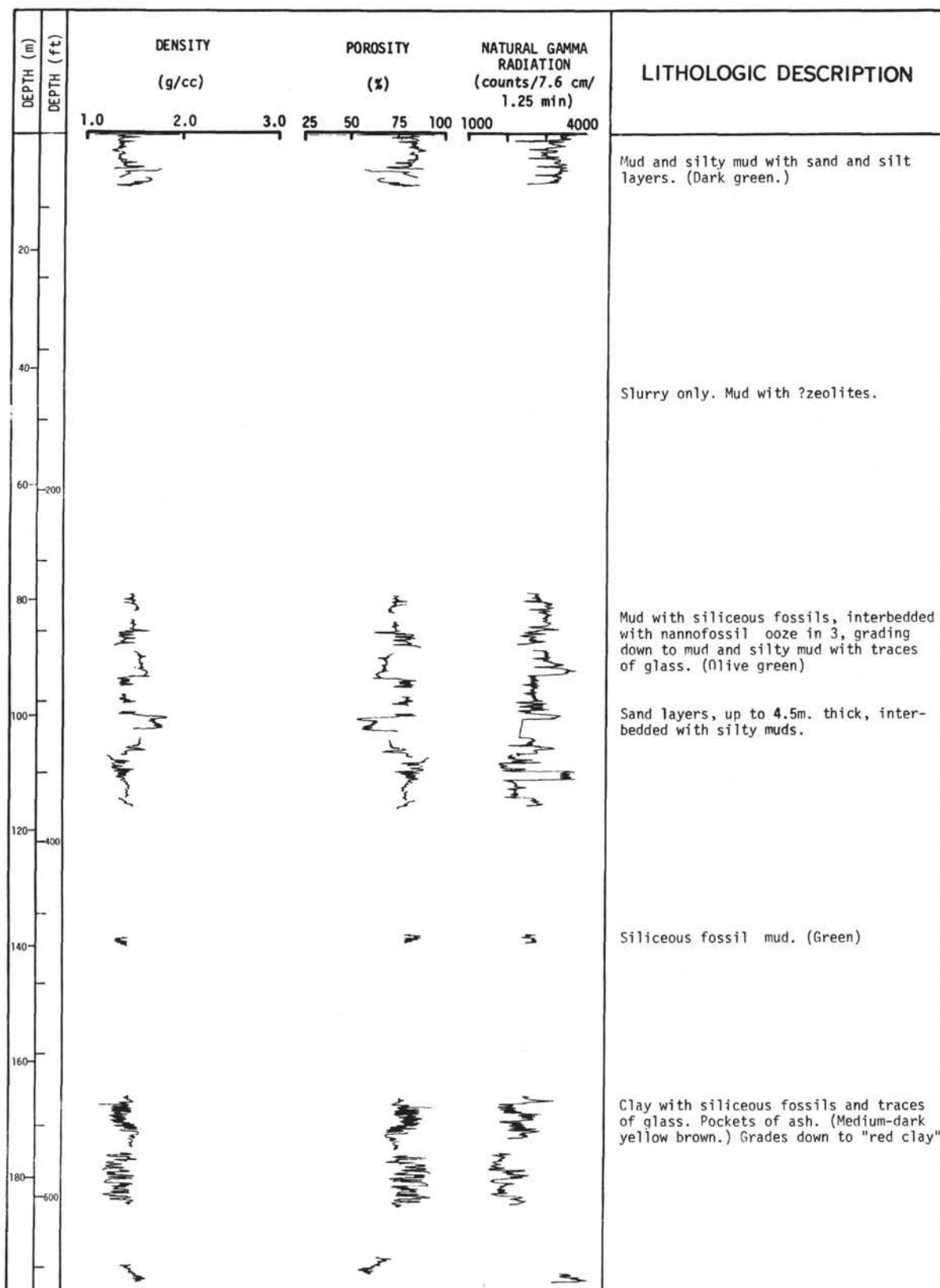


Figure 1. Summary of Physical Properties and Lithology of Hole 32.

NOT COMPLETED

Figure 3. *Summary of Cores and Diagnostic Fossils from Hole 32.*

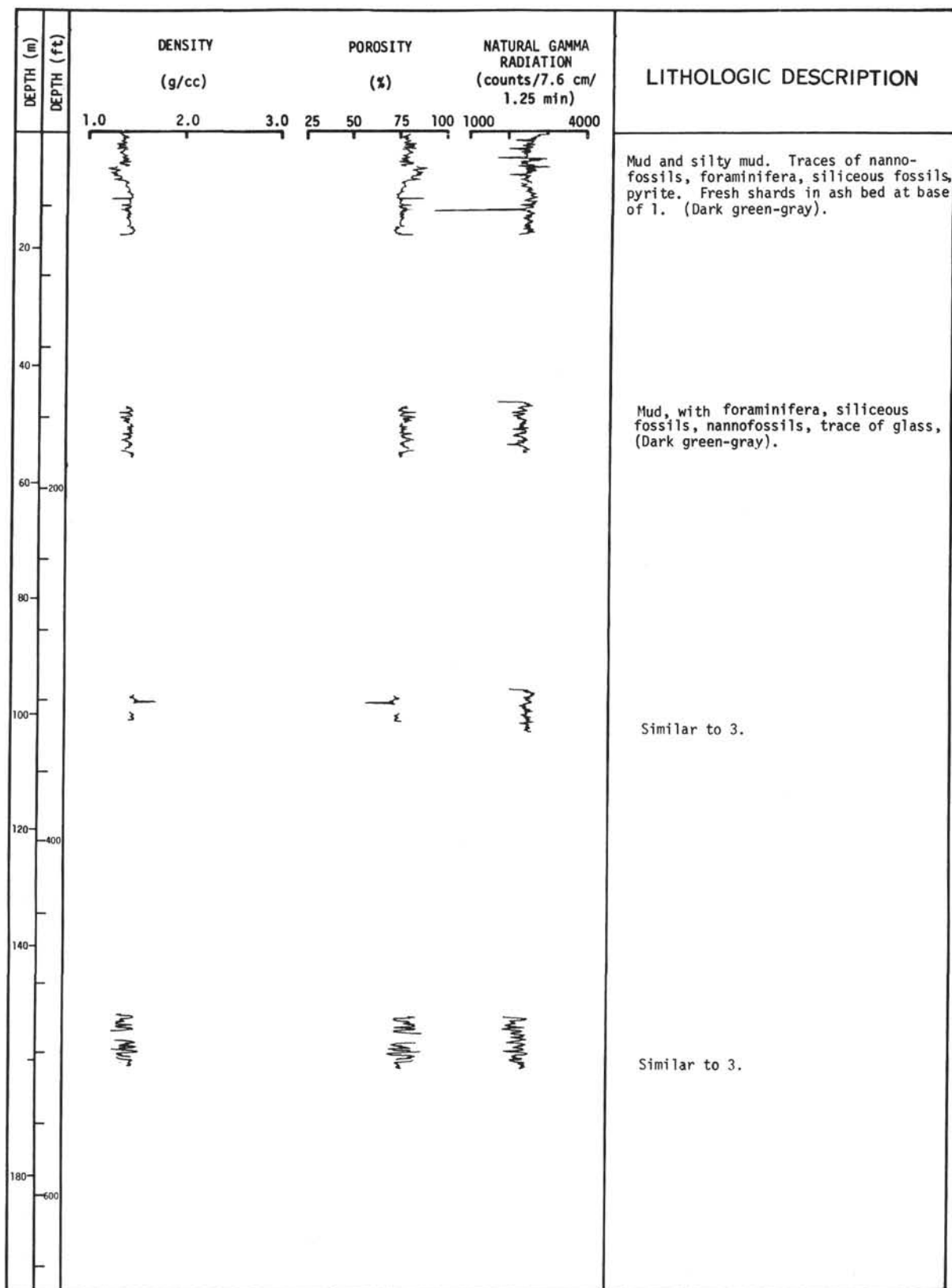


Figure 4. Summary of Physical Properties and Lithology of Hole 33.

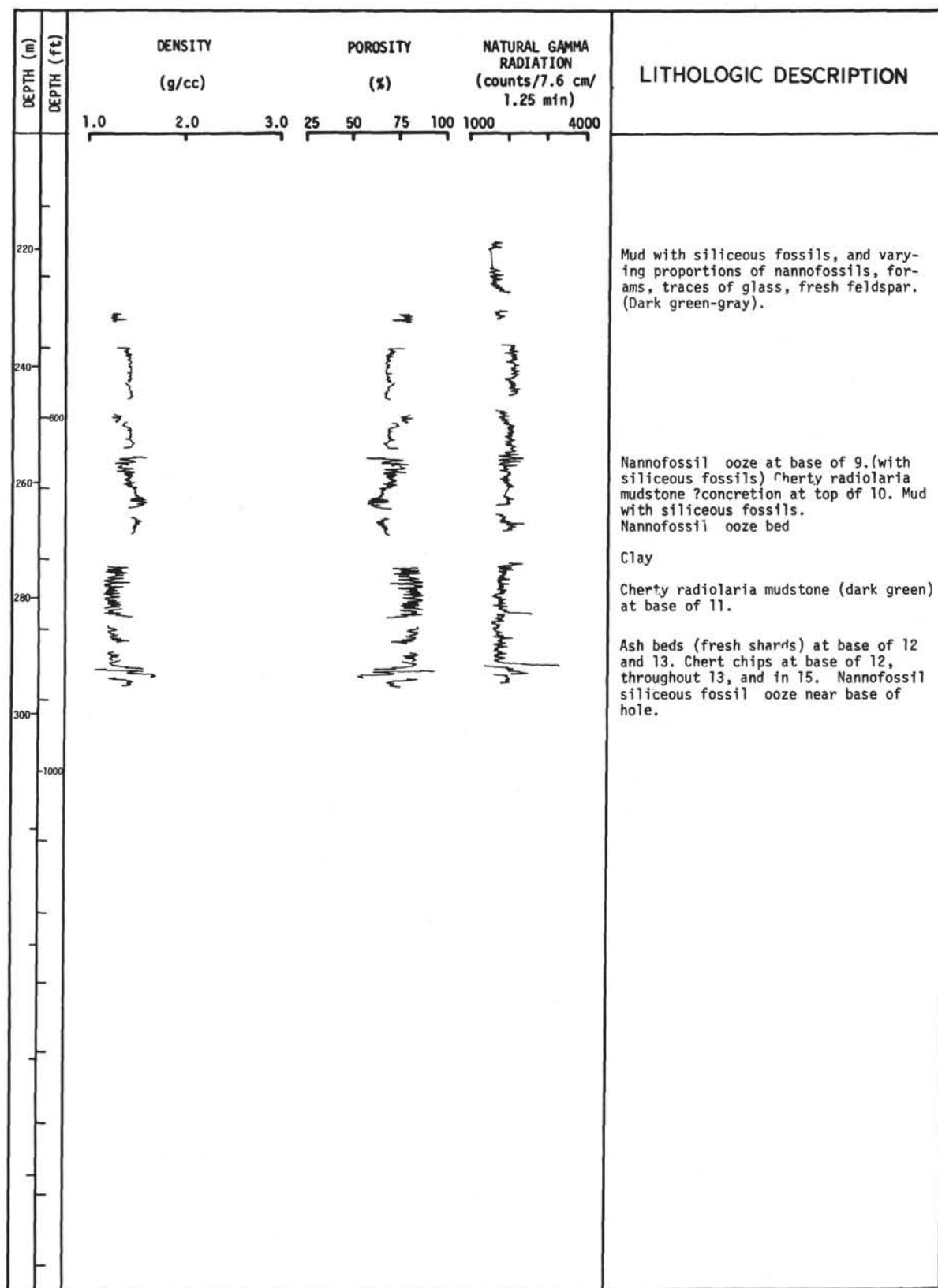


Figure 5. Summary of Physical Properties and Lithology of Hole 33 (continued).

NOT COMPLETED

Figure 6. *Summary of the Cores and Diagnostic Fossils from Hole 33.*

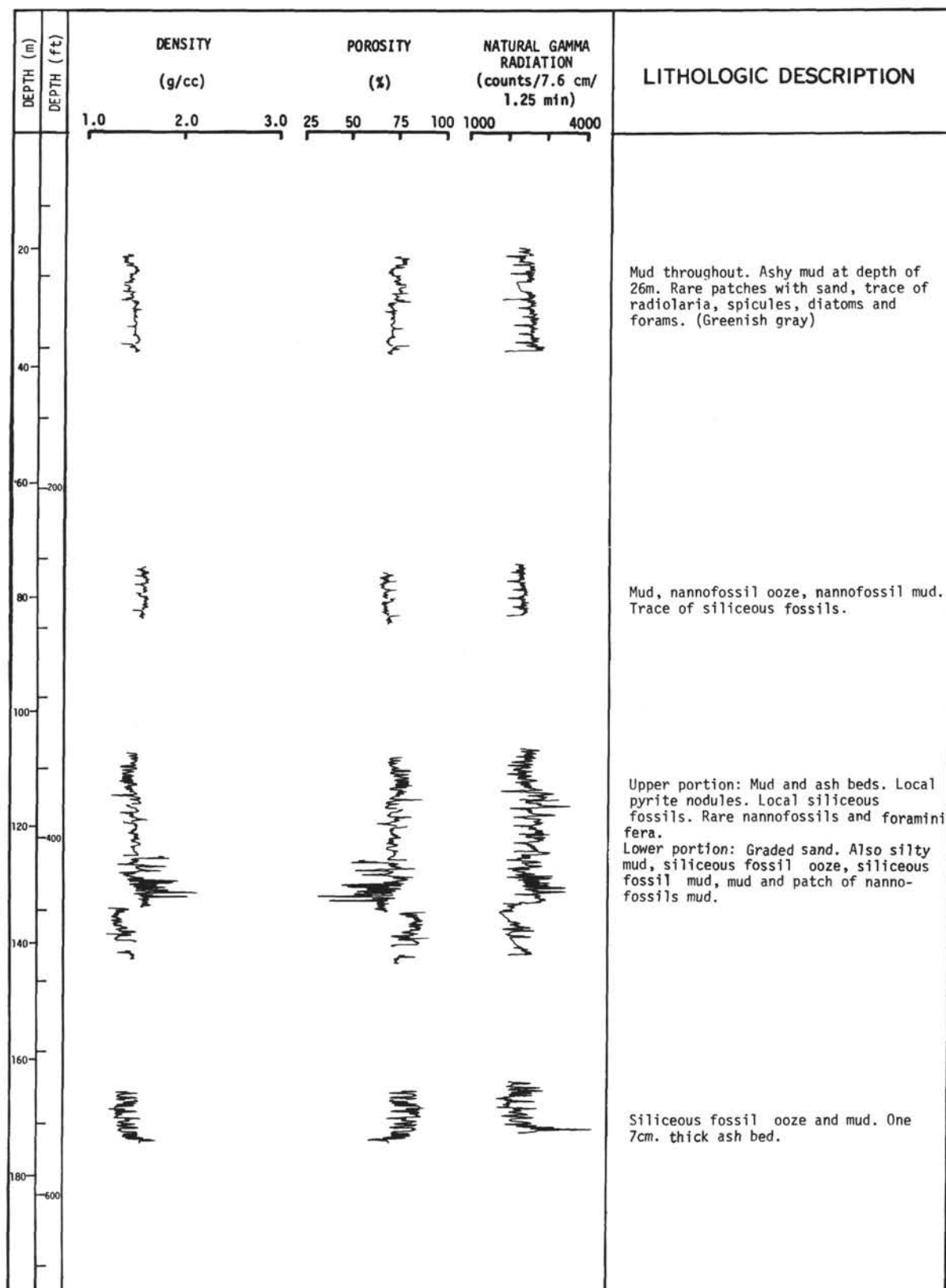


Figure 7. Summary of Physical Properties and Lithology of Hole 34.

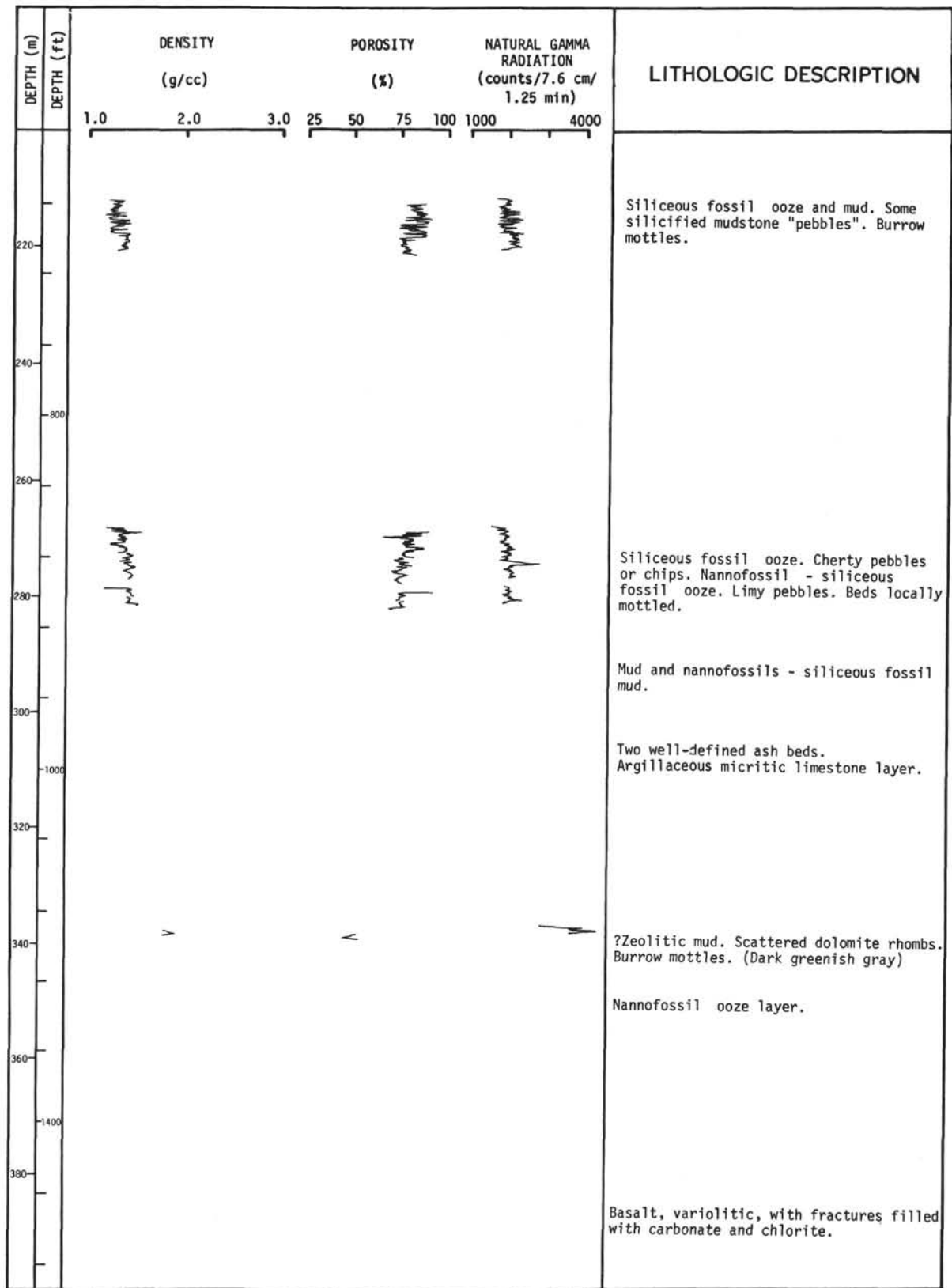


Figure 8. Summary of Physical Properties and Lithology of Hole 34 (continued).

NOT COMPLETED

Figure 9. *Summary of Cores and Diagnostic Fossils from Hole 34.*

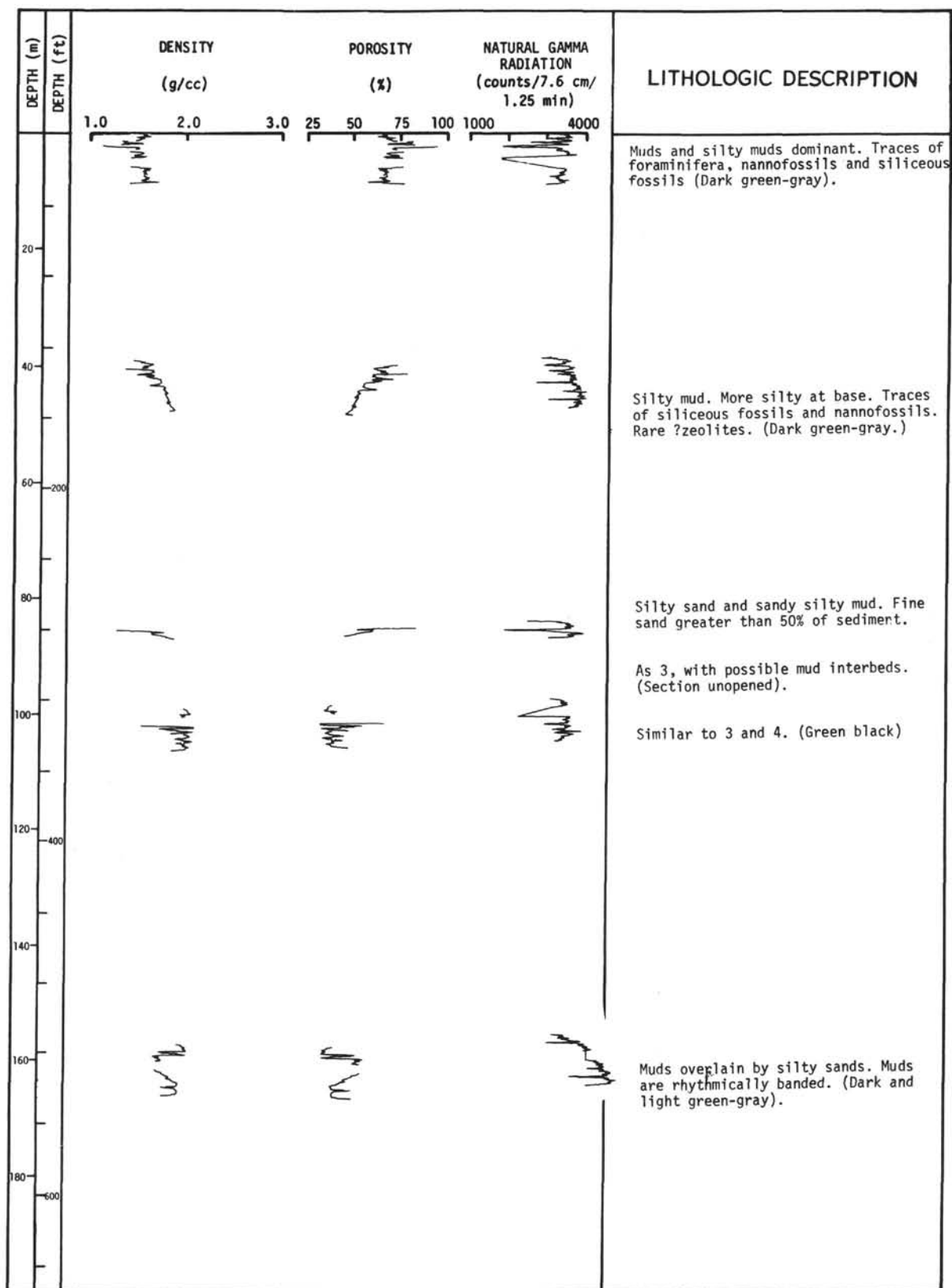


Figure 10. Summary of Physical Properties and Lithology of Hole 35.

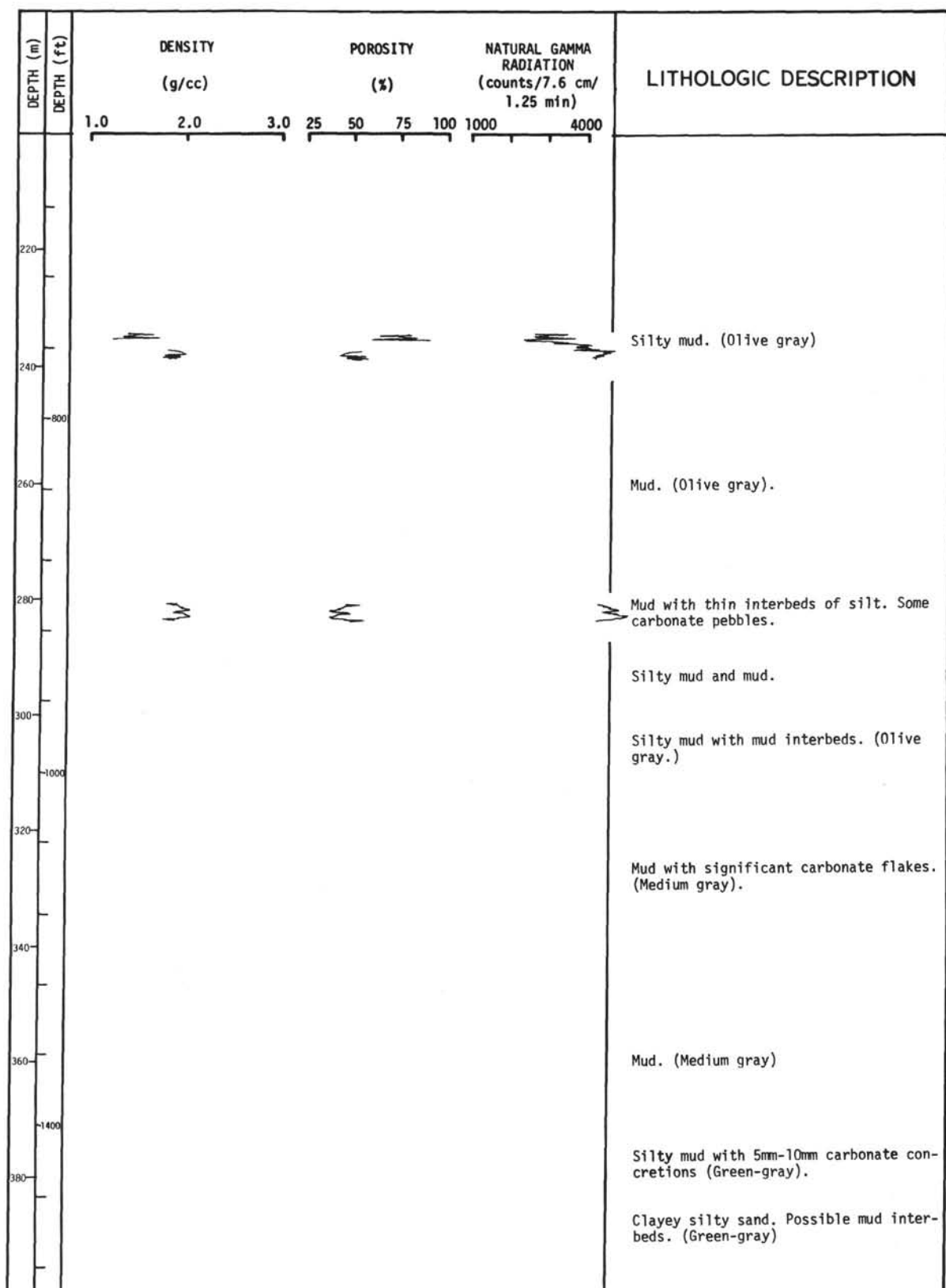


Figure 11. Summary of Physical Properties and Lithology of Hole 35 (continued).

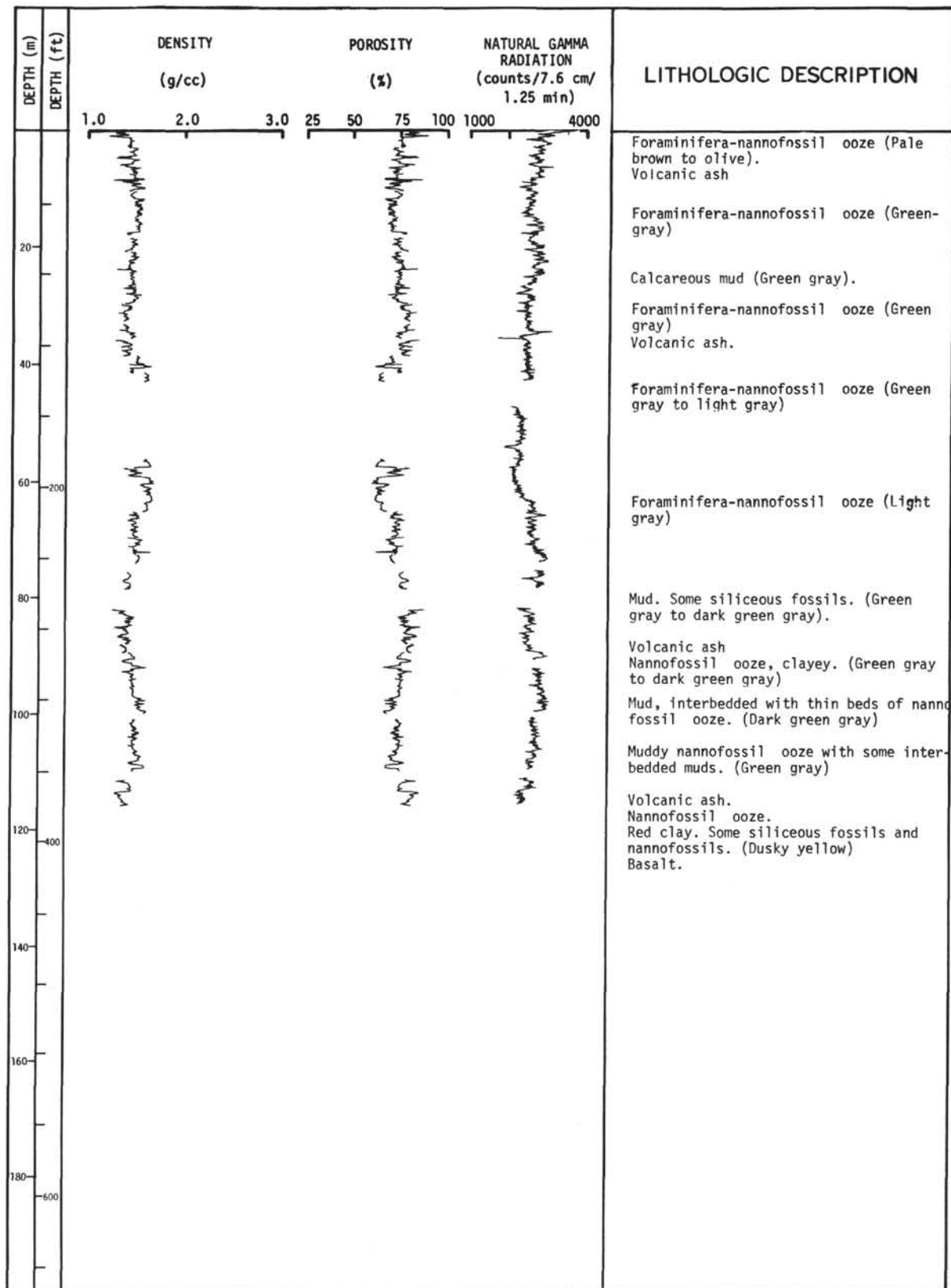


Figure 13. Summary of Physical Properties and Lithology of Hole 36.

LITHOLOGY	BARREL	DEPTH(m)	AGE		DIAGNOSTIC FOSSILS
			SERIES SUB-SERIES	ZONE SUBZONE	
	1		PLEISTOCENE	N23	<i>Coccolithus carteri</i> Zone <i>Gephyrocapsa</i> spp.
	2			N22	
	3				
	4				
	5				
	6		UPPER PLIOCENE	N21	<i>Discoaster broweri</i> Zone <i>Coccolithus japonica</i> <i>Ceratolithus aristatus</i> <i>Coccolithus carteri</i>
	7				
	8		LOWER PLIOCENE	N20	<i>Discoaster</i> var. <i>Coccolithus doronicoides</i> ? <i>Discoolithina japonica</i> <i>Ceratolithus aristatus</i> <i>Coccolithus carteri</i> <i>Gephyrocapsa</i> spp.
	9			N19	
	10				
	11				
	12		UPPER MIOCENE	N18	<i>Ceratolithus rugosus</i> Zone <i>C. leptoporus</i> Subzone <i>Ceratolithus rugosus</i> <i>C. leptoporus</i> <i>Reticulofenestra pseudumbilica</i> Subz.
	13		MIDDLE MIOCENE		<i>Ceratolithus trigoniculatus</i> Zone <i>D. exilis</i> Zone <i>Discoaster deFlandrei</i> <i>Discoaster aulacos</i> <i>Cyclodoccolithus neogammation</i> ? <i>Discoaster divaricatus</i> -cf- <i>Discoaster kugleri</i> var. <i>Discoaster exilis</i> <i>Discoaster exilis</i> var.
	14				
					<i>Discoaster variabilis</i> var. <i>Discoaster challengerii</i> -cf- -cf- -cf- <i>Reticulofenestra pseudumbilica</i> <i>Discoaster broweri</i> & var. <i>Cyclodoccolithus leptoporus</i> & vars. <i>Discoaster surculus</i> <i>Globigerina nepenthes</i> <i>Globigerina pachyderma</i> <i>Globorotalia acostaensis</i> <i>Globorotalia acostaensis pseudopima</i> <i>Globorotalia acostaensis humerosa</i> <i>Globorotalia hirsuta hirsuta</i> <i>Globorotalia merotumida</i> <i>Globorotalia miozea conoidea</i> <i>Globorotalia puncticulata</i> <i>Globorotalia tosaensis</i> <i>Globorotalia truncatulinoides</i> <i>Sphaeroidinellopsis seminulina</i> <i>Sphaeroidinellopsis subdehiscens</i> <i>Globorotalia miozea</i> s.l.

Figure 14. Summary of Cores and Diagnostic Fossils from Hole 36.

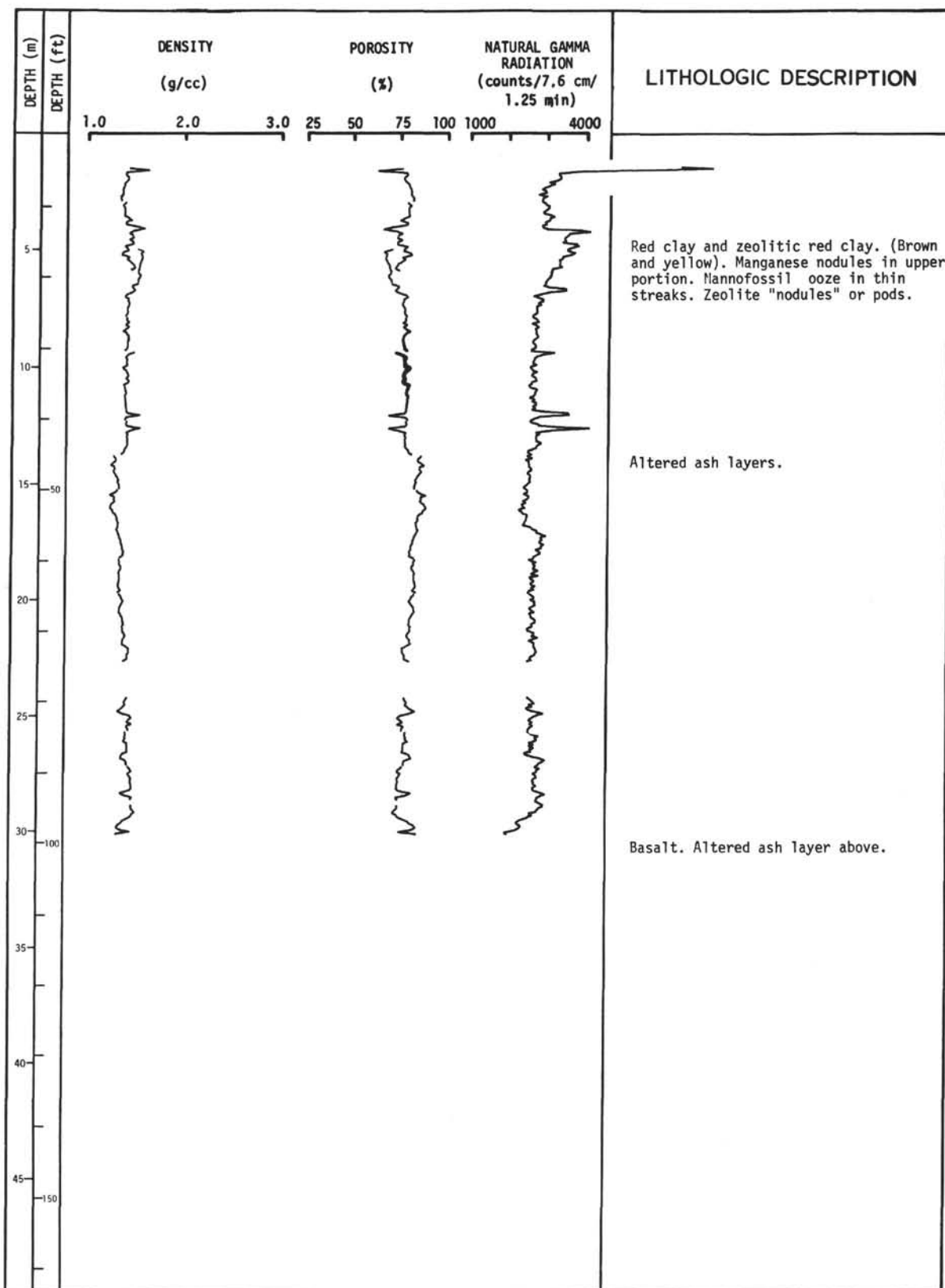


Figure 15. Summary of Physical Properties and Lithology of Hole 37.

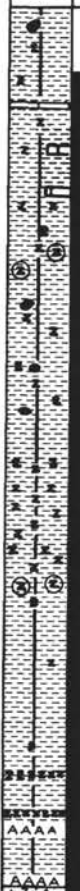
LITHOLOGY	BARREL	DEPTH(m)	AGE		DIAGNOSTIC FOSSILS
			SERIES SUB-SERIES	ZONE SUBZONE	
	1		PLEISTOCENE	<i>Coccolithus carteri</i> Zone	<p><i>Denticula seminae</i> <i>Ceratolithus rugosus</i> var. <i>Coccolithus dornicoides</i>? <i>Cyclolococcolithus leptoporus</i> & vars. <i>Discoaster broweri</i> & var. <i>Discoaster broweri rutellus</i> <i>Discoaster calcaris</i> <i>Discoaster challengeri</i> <i>Discoaster exilis</i> & var. <i>Discoaster surculus</i> <i>Discoaster variabilis</i> & var. <i>Discoaster</i> sp. aff. <i>D. exilis</i> <i>Discoaster</i> sp. aff. <i>D. stellulus</i> <i>Globorotalia puncticulata</i> <i>Globorotalia mizea conoidea</i> <i>Globoquadrina</i> cf. <i>G. obesa</i></p>
	2		PLEISTOCENE?	<i>Coccolithus carteri</i> Zone?	
	3				
	4				

Figure 16. Summary of Cores and Diagnostic Fossils from Hole 37.

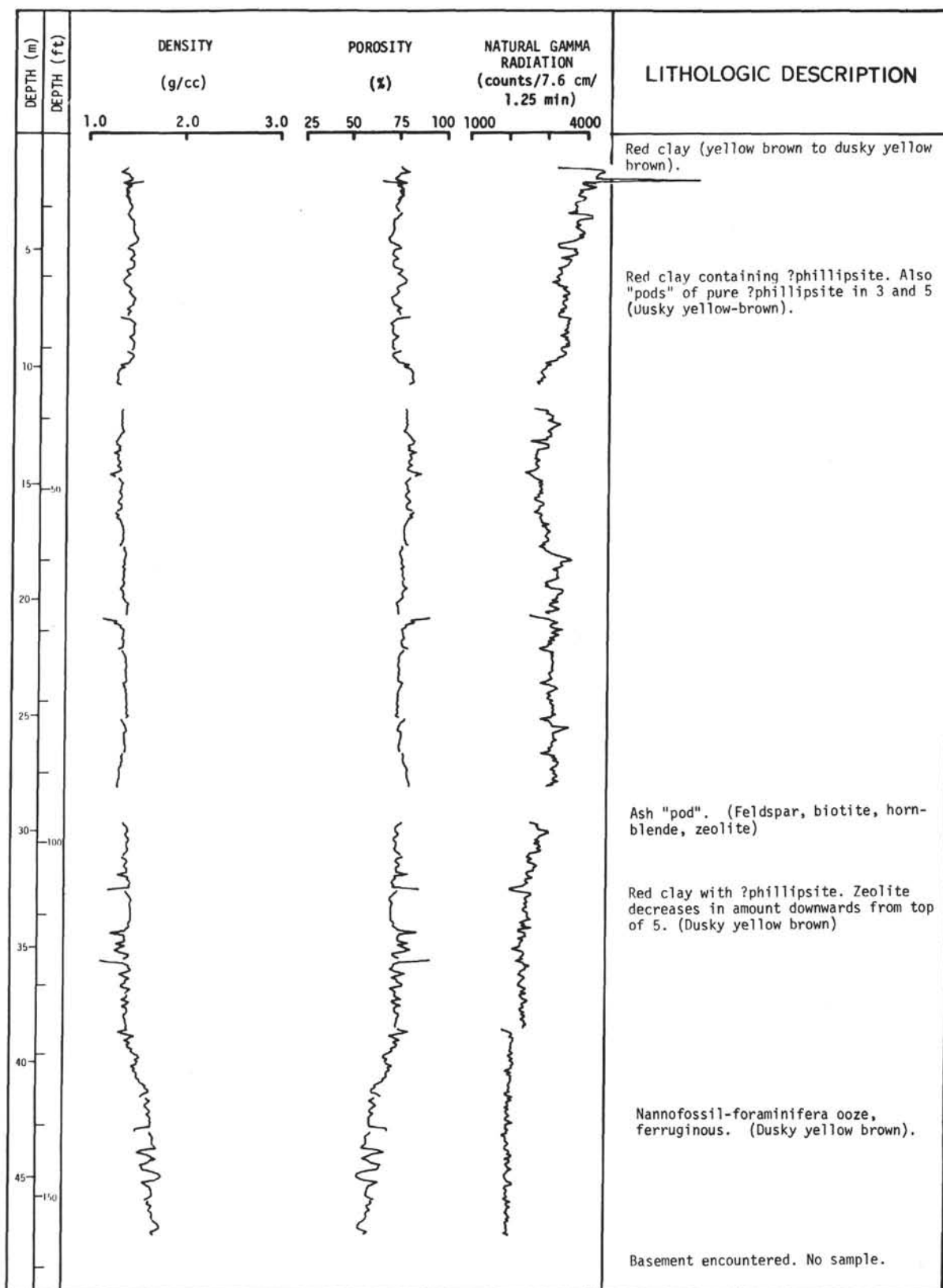


Figure 17. Summary of Physical Properties and Lithology of Hole 38.

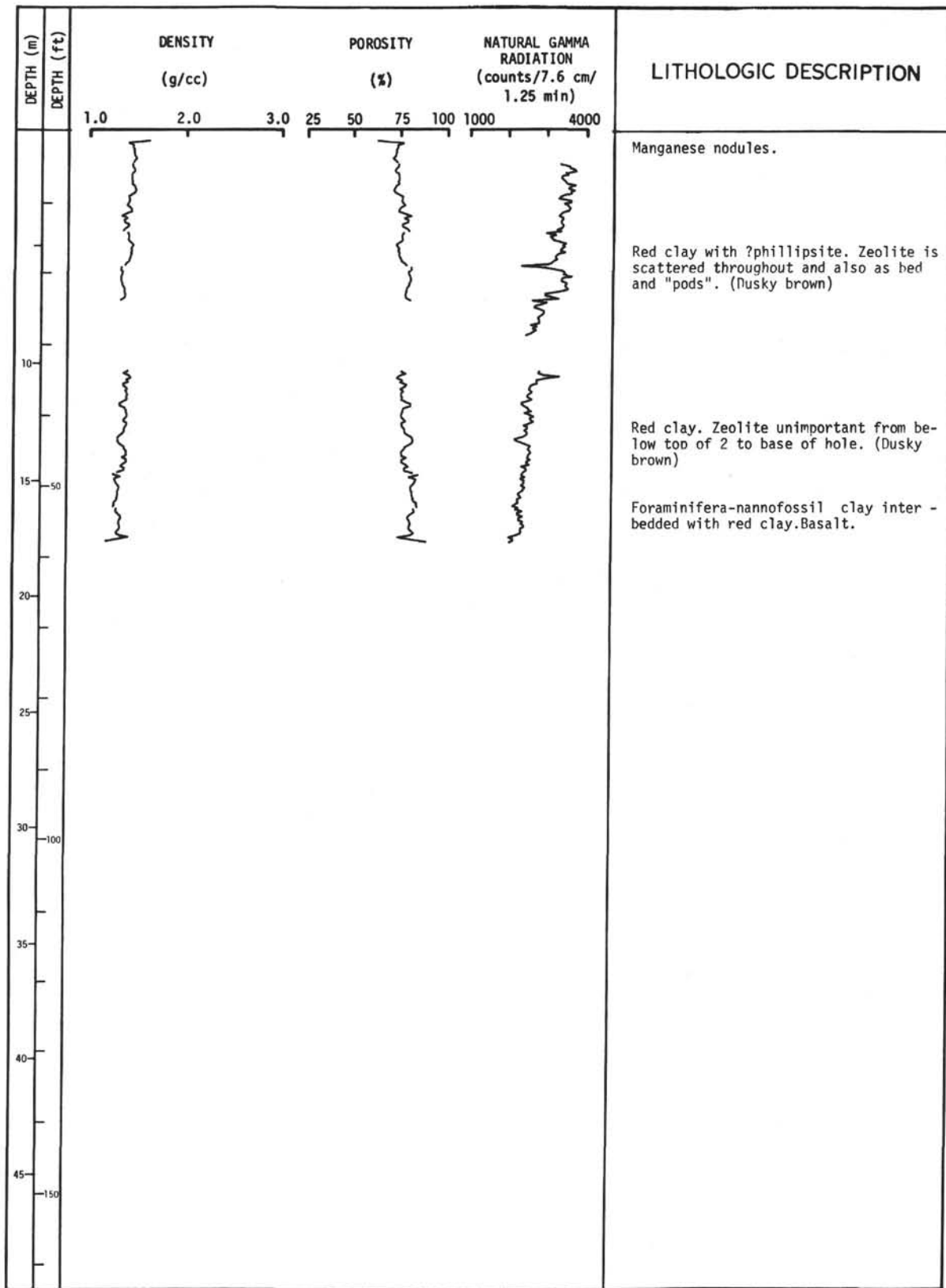


Figure 19. Summary of Physical Properties and Lithology of Hole 39.

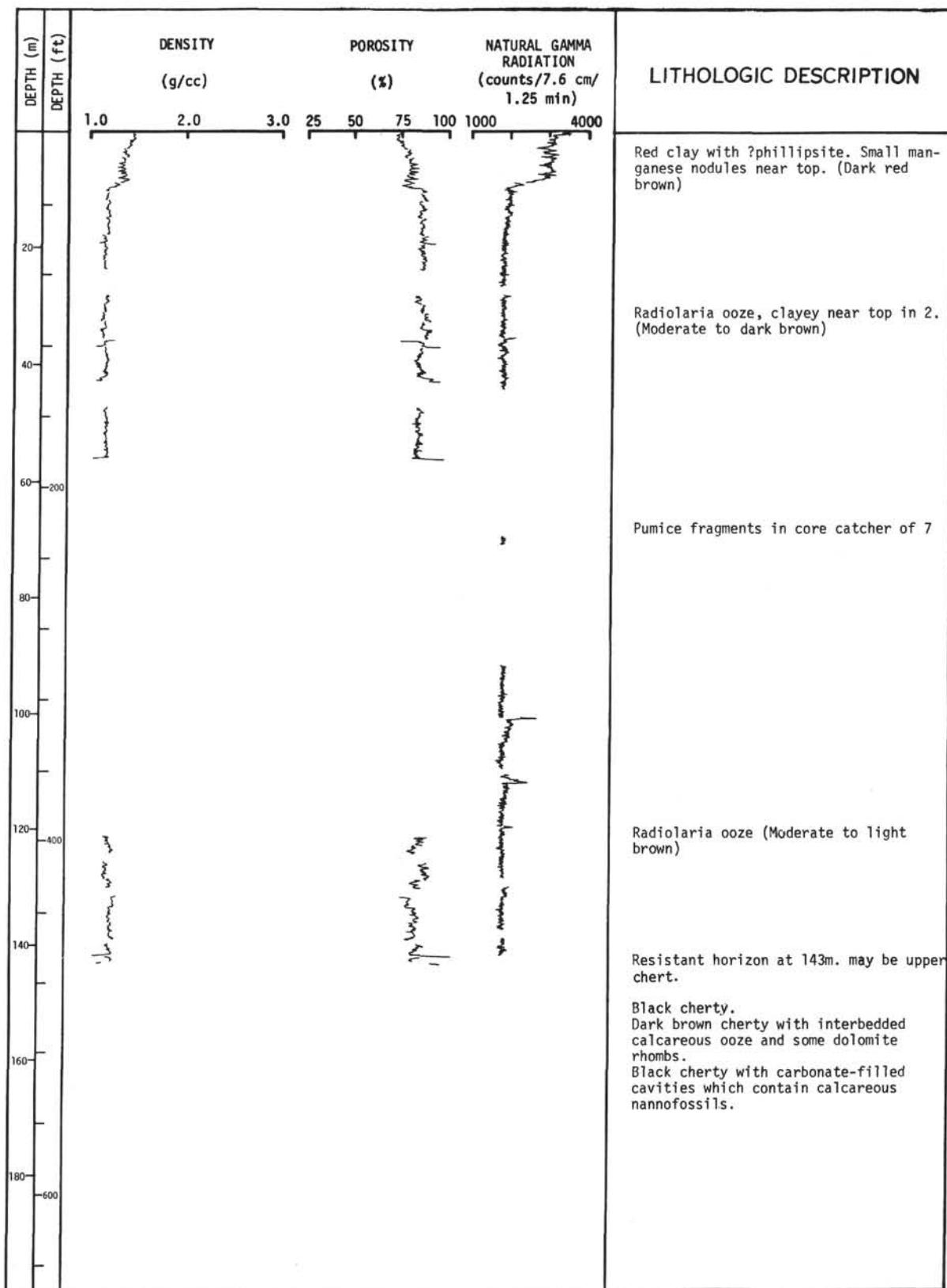


Figure 21. Summary of Physical Properties and Lithology of Hole 40.

LITHOLOGY	BARREL	DEPTH(m)	AGE		DIAGNOSTIC FOSSILS	
			SERIES SUB-SERIES	ZONE SUBZONE		
	1		?	UPPER EOCENE		
	2					
	3					
	4					
	5					
	6		MIDDLE EOCENE			
	7					
	8					
	9					
	10					
	11					
	12					
	13					
	14					
	15					
	16		LOWER EOCENE			
	17					
	18					
	19					
<div><div><i>Discoaster multiradiatus</i> <i>Discoaster perpolitus</i> <i>Discoaster diastypus</i> <i>Discoaster nobilis</i> <i>Coccolithus crassus</i> <i>Coccolithus pelagicus?</i> <i>Sphenolithus moriformis</i> <i>Fasciculithus involutus</i> aff. <i>Marthasterites contortus</i> <i>Marthasterites tribrachiatus</i> <i>Discoaster lodoensis</i> <i>Sphenolithus anarrhopus</i></div><div><i>Sethamphora mongolfiera</i> <i>Dietyophimus babylonis</i> <i>Podocyrtis papalis</i> <i>Phormocyrtis embolus</i> <i>Phormocyrtis striata</i> <i>Anthocyrtidium hispidum</i> <i>Lynchocanium bellum</i> <i>Lithocyclia ocellus</i> <i>Podocyrtis triacantha</i> <i>Eusyringium fistuligerum</i> <i>Podocyrtis chalaru</i></div></div>						

Figure 22. Summary of Cores and Diagnostic Fossils from Hole 40.

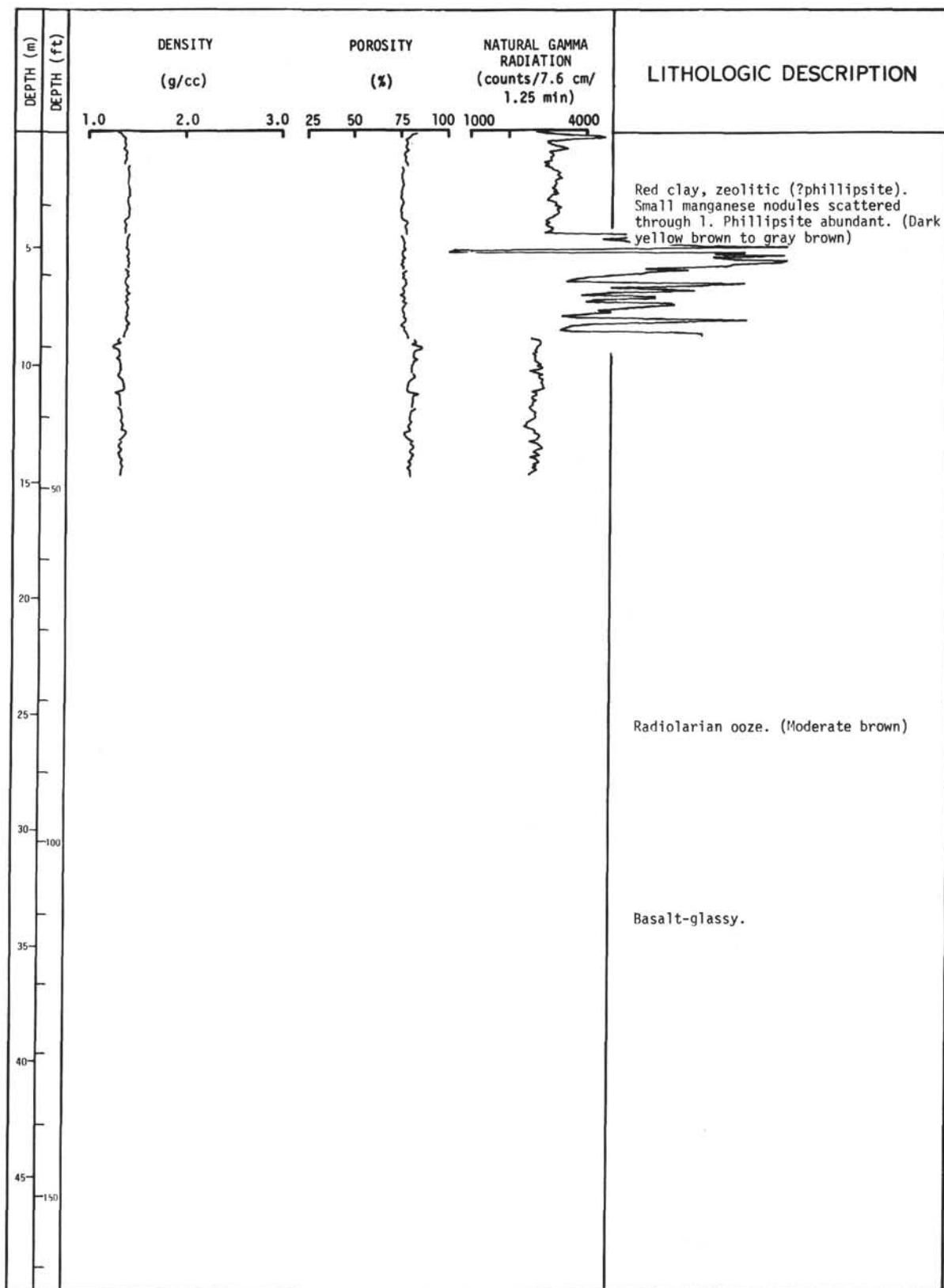


Figure 23. Summary of Physical Properties and Lithology of Hole 41.

LITHOLOGY	BARREL	DEPTH(m)	AGE		DIAGNOSTIC FOSSILS
			SERIES SUB-SERIES	ZONE SUBZONE	
	1		UPPER EOCENE	UPPER MIOCENE or younger	
	2				
	3				
	4				
			MIDDLE EOCENE		
					<i>Sethamphora mongolifera</i> <i>Diatyophimus babylonis</i> <i>Podocypitis papalis</i> <i>Phormocypitis embolus</i> <i>Anthocypitidium hispidum</i> <i>Eusyringium fistuligerum</i> <i>Podocypitis thalara</i> <i>Podocypitis triacantha</i> <i>Lithocyclia ocellus</i>

Figure 24. *Summary of Cores and Diagnostic Fossils from Hole 41.*

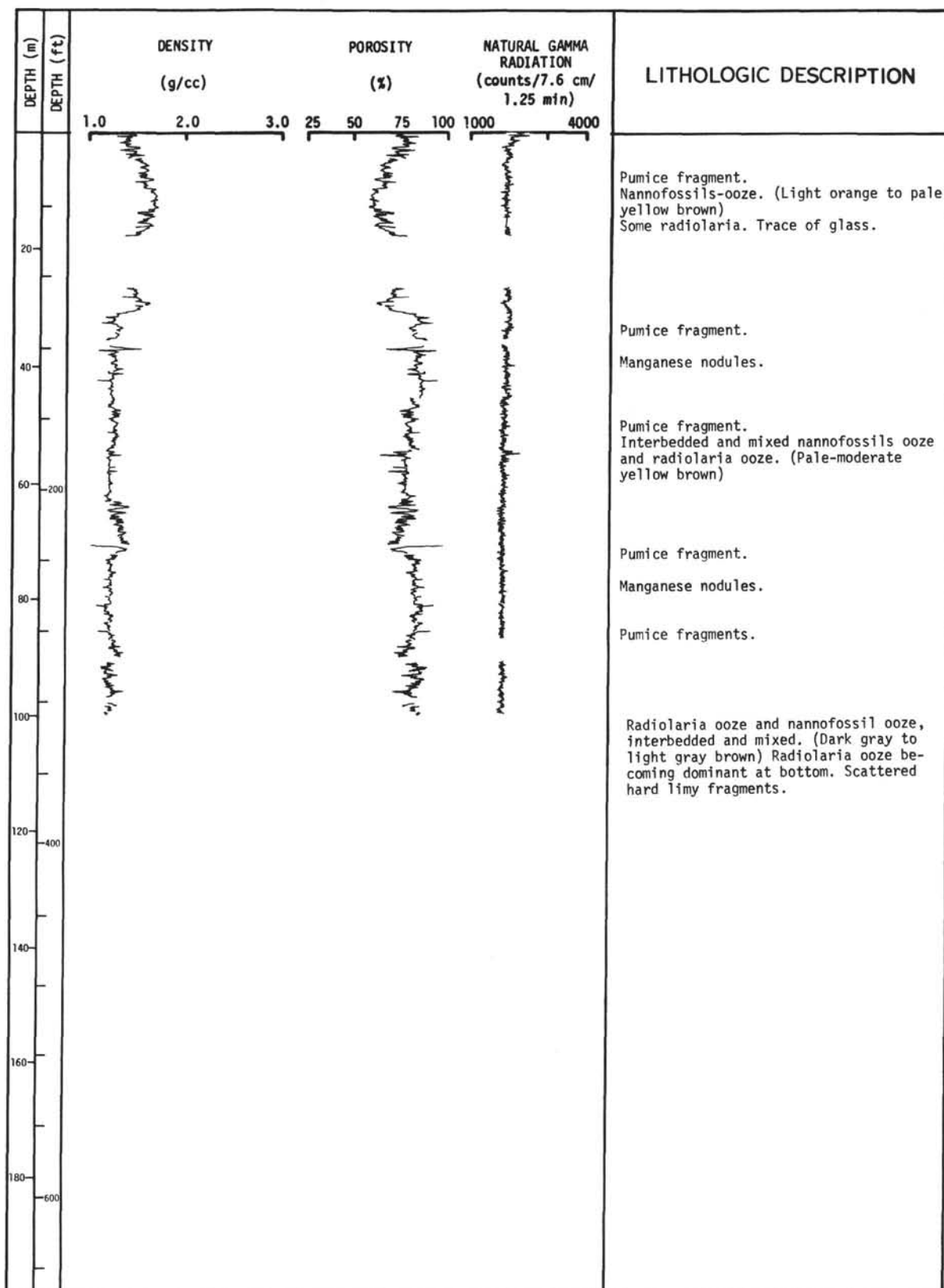


Figure 25. Summary of Physical Properties and Lithology of Holes 42.0 and 42.1.


LITHOLOGY	BARREL	DEPTH(m)	AGE		DIAGNOSTIC FOSSILS
			SERIES SUB-SERIES	ZONE SUBZONE	
	1	10	MIDDLE Eocene	Chiphramolites quadratus var. Cyclococcolithus lucitanicus Discoaster barbadensis Discoaster cf. D. lodoensis Discoaster martinii Discoaster sublobensis Triquetrorhabdulus inversus Chiasmolithus solitus Chiasmolithus staurion Chiasmolithus gigas Retinulofenestra cf. R. umbilica Campylophara bramlettei Sphenolithus anormopus Sphenolithus furcitolithoides Chiasmolithus grandis	
				Chiphramolites quadratus zone C. quadratus- C. gigas Subzone	

Figure 27. Summary of Cores and Diagnostic Fossils from Hole 42.1.

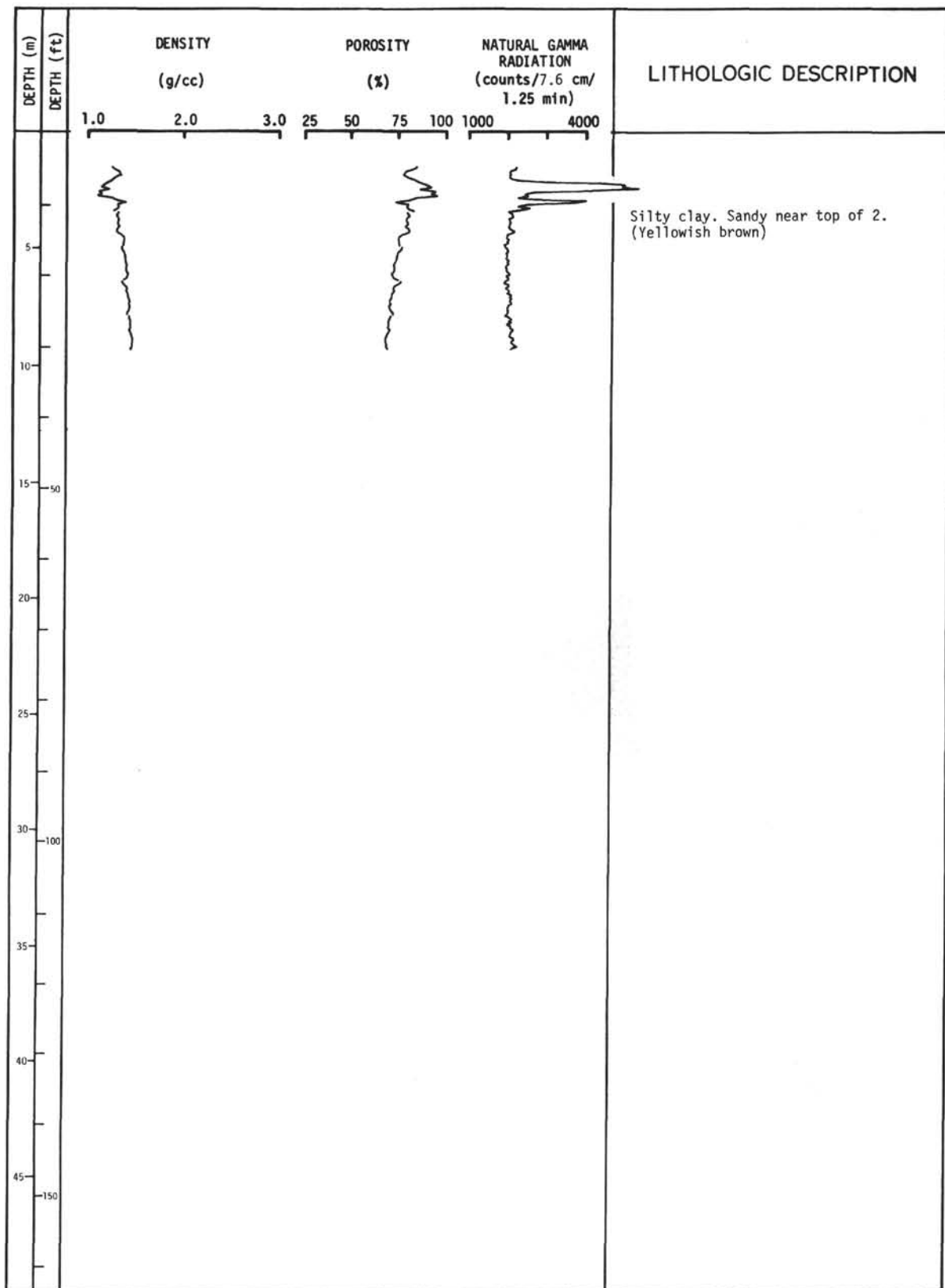


Figure 27. Summary of Physical Properties and Lithology of Hole 43.

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Figure 28. *Summary of Cores and Diagnostic Fossils from Hole 43.*