

		GALLARE WELL (A)				11A.	
Chronost.	Lithostrat.	Forams and Nannos bioevents	Foraminifer Biozones	Nannofossil Biozones	Remarks		
MIOCENE	? ?	2540m			Barren samples		
		2600m			Barren samples		
	Late	Boreca Conglom.	2697m				
			2700m				
		Gessoso Solif Fm.	2783m				
			2800m				From sample 2495 upwards, planktonic foraminifera become very rare to absent and characterised by long-ranging species. Benthic assemblages become less abundant and characterised by oligotype faunas with dominant buliminids ( <i>B. aculeata</i> and <i>B. echinata</i> ), uvigerinids ( <i>Rectuvigerina gaudryoides</i> ) and <i>Brizalina</i> spp. ( <i>Brizalina</i> aff. <i>dilatata</i> ) indicative of iper-saline to dysoxic environments.
			2900m	← Oligotypic benthic assemblages with <i>Bulimina</i> spp. and <i>Brizalina</i> spp. (2875)			
				↓ <i>G. praemenardii</i> (2945)	? ?		The upper boundary of the foraminifer <i>G. menardii</i> / <i>N. acostaensis</i> Zone is not recorded because the marker species <i>Globorotalia conomiozea</i> is missing.
			3000m		<i>G. menardii</i> / <i>N. acostaensis</i> Zone		Other bioevent: HO of <i>Globorotalia praemenardii</i> (2945).
			3100m	↓ <i>P. siakensis</i> (3116)			
				↑ <i>G. praemenardii</i> (3197) ↑ <i>O. universa</i> (3206)	<i>P. mayeri</i> - <i>P. peripheroronda</i> Zones		The two foraminifer zones are indistinct because <i>Globorotalia peripheroronda</i> is absent. Other bioevent: LO of <i>Globorotalia praemenardii</i> (3197).
			3200m				
			3300m		<i>Praeorbulina</i> spp Zone	NOT STUDIED	Other bioevents: LO of <i>Orbulina suturalis</i> (3302) and HO of <i>Praeorbulina</i> lineage (3248).
			3400m				
			Middle	Gallare group	3400m		
3500m	↑ <i>S. heteromorphus</i> (3465) ↑ <i>Praeorbulina</i> lineage (3465) ↑ <i>G. bisphaericus</i> (3492) ↓ <i>C. dissimilis</i> (3507) ↓ <i>S. belemnos</i> (3522)	IFN 4b IFN 4a			MNN 4 MNN 3b MNN 3a		
3500m	→ HCO <i>S. belemnos</i> (3492)						
3600m	↑ <i>G. trilobus</i> (3610)	IFN 3					
3700m	↑ <i>H. ampliapertura</i> (3696)				MNN 2b	The foraminifer IFN2/IFN3 Zonal boundary is dubitatively placed in sample 3610 because the lowest <i>Globigerinoides trilobus</i> occurs after two barren samples. The HCO of <i>H. euphratis</i> , which defines the nannofossil MNN1/MNN2 zonal boundary is not recognised because the marker species is absent The foraminifer IFN 1b- IFN 2 Zones are indistinct because <i>P. kugleri</i> always very rare becomes discontinuous in its final range preventing from placing its highest occurrence.	
3800m	↑ <i>G. dehiscens</i> (3828) → <i>S. disbelemnos</i> (3828) ↑ <i>P. kugleri</i> (3849) → HCO <i>D. bisectus</i> (3849)	IFN 1a			MNN1a-MNN1c	Other bioevent: LO of <i>H. carteri</i> (3729) Other bioevent: HO of <i>G. sellii</i> (3828). The nannofossil MNN1a-MNN1c Subzones are indistinct because <i>S. delphix</i> is missing.	
3900m	↑ <i>S. ciproensis</i> (3897) ↑ <i>P. opima opima</i> (3897)	IFP 22			MNP 25b		
4000m					MNP 25a ? ?		
Early	Gallare group	4100m			← <i>T. pseudoampliapertura</i> (4028)	IFN 1b-IFN 2	NOT STUDIED
					↓ Pseudohastigerinids (4092) ↓ <i>T. cerroazulensis</i> lineage (4118) ↓ <i>G. semiinvoluta</i> (4118)		
		4100m		IFP 19			
			↓ Muricate taxa (4151)	IFP 17-IFP 18		Other bioevent: LO of <i>G. semiinvoluta</i> (4145)	
EOCENE	Late	4212m bottom depth		IFP 16			