Table T11. Downhole surfaces and trends from petrophysical and downhole measurements, Hole M0029A. (See table note.)

Depth (mbsf)	Depth Top	Depth Bottom	Total gamma ray	Th/K	U	Th	Conductivity	Sonic	V_P	Density	Resistivity	Magnetic susceptibility	Surface correspondence	Comments/Interpretation
	45	48		2 small peaks						Decrease			Base of Pleistocene 1 m below bottom of interval	
155.0	154.2	155	Increase										Predicted m1 depth 2 m above	
168.0	167.2	168	Decrease										No corresponding surface	Within core recovery gap
193.0	194	—	Low between two peaks						Peak	Peak			m3	
220.0	220	221	Increase										Subunit ID top 1 m above	
250.0	249.6	250.3	Decrease										No corresponding surface	Within core recovery gap
289.0	291	—	Peaks							Small changes			No corresponding surface	Just below a cemented horizon
310.0	305	310	Increase						Decrease				No corresponding surface	
318.0	—	—								Peak			No corresponding surface	
326.0	325	326								Decrease			Unit I/II boundary and m4.1	
343.5	—	—	Hole				Peak			Peak			m4.2 FS 3 m above and SB	Cemented horizon
395.0	—	—								Low		High zone	m4.4 surface 2 m above	
410.0	408.3	409.8								Increase			No corresponding surface	
449.0	—	—		Increase			Small low	Small peak		Small peak			Subunit IIA/IIB boundary and m4.5 surface	Small impedance peak
470.0	468	480				Hole							See below	
479.0	—	—					Hole	Peak		Peak			Subunit IIB_1/IIB_2 boundary and m5 surface	Cemented horizon
490.0	489	490				Decrease	Decrease			Increase			No corresponding surface	
500.8	—	—				Increase							No corresponding surface	
549.3	—	—						Increase	Increase				No corresponding surface	
551.0	—	—			Peak		Decrease		Decrease				Subunit IIB/IIC boundary 1 m below	
	558	559	Increase		Increase								No corresponding surface	Cemented horizon just below
580.0	—	—					Decrease	Increase					No corresponding surface	Cemented horizon
604.0	601	604		Increase			Decrease	Increase		Increase		Increase	Subunit IIC/IID boundary and m5.2 surface in interval	Cemented horizon just below
612.0	—	—					Hole			Peak			No corresponding surface	Cemented horizon
620.5	—	—					Small peak			Small peak		Small peak	Subunit IID_1/IID_2 boundary and recognized surface	Clear surface in acoustic image
625.0	—	—					Hole	Peak				Peak	Recognized surface just above	Cemented horizon
635.0	—	—	Increase				Decrease	Increase				Increase	m5.3 surface 0.5 m above	
640.0	—	—					Increase	Decrease		Decrease		Decrease	Unit II/III boundary <1 m below	Cemented horizons
643.2	—	—						Decrease	Decrease	Decrease		Decrease	Unnamed sequence boundary recognized	Cemented horizons
650.0	—	—	Peaks				Low	Peak				Peak	Unit III/IV boundary and m5.4 surface	Cemented horizons
666.0	664.5	666		Increase			Decrease	Increase	Increase	Increase		Increase	Unit IV/V boundary and ?SB 2 m above	
674.0	673	674		Decrease			Increase	Decrease	Decrease	Decrease		Decrease	m5.45 surface 1.5 m below	
682.0	—	—	Increase				Decrease			Increase		Increase	m5.47 surface at top and SB at base	
688.0	—	—	Decrease				Increase			Decrease		Decrease	SB	Impedance decrease
692.0	—	—			Peak					Peak			No corresponding surface	
695.0	—	—	Increase				Decrease	Increase	Increase	Increase	Increase		Subunit VB/VC boundary at top of interval	Cemented horizon at base
700.0	—	—		Low			Low			High			No corresponding surface	Cemented horizon
710.0	—	—					Increase	Decrease	Decrease	Decrease	Decrease		m5.6 at base of interval	
700.0	695	700					Decrease	Increase	Increase	Increase	Increase			
710.0	700	710					Increase	Decrease	Decrease	Decrease	Decrease			
728.0	—	—		Decrease	Decrease	Increase				Increase		Peak	Unit V/VI boundary and m5.7 surface <1 m below	Cemented horizon
742.0	—	—		Increase	Increase	Decrease				Decrease			m5.8 4 m below	Surface located at peak, petrophsyical interval at start of increase

Note: — = not applicable. All descriptions (increase/decrease) downhole. No petrophysical picks have been made using gamma ray in the top 200 m of the hole with no core recovery. Hole = sharp confined low in measurement. Peak = sharp confined high in measurement. FS = flooding surface. SB = surface boundary.