

636114

AGE (m.y.)	EPOCH	SERIES	SPORE-POLLEN ASSEMBLAGE ZONES	STRATIGRAPHY	SOURCE ROCK RICHNESS	THERMAL ALTERATION INDEX (COAL)	T.T.I. (LOPATIN)				INTERVAL THICKNESS	MIGRATION PERIOD	POTENTIAL TRAPS										
							GENERATION						PRIMARY MIGRATION	SECONDARY MIGRATION									
24	MIocene-PLIOCENE			TORQUAY GROUP									YOUNG STRUCTURES	YOUNG STRUCTURES (LATERAL REMIGRATION)									
37.5	OLIGOCENE		Upper <i>Nothofagidites asperus</i>	DEMONS BLUFF FORMATION	FAIR-LEAN (OIL)	IMMATURE	DRY GAS PRESERVATION	DRY GAS PRESERVATION	GAS & OIL PRESERVATION	ONSET			LATE FAULTS	REMIGRATION UP FAULTS									
40		Late	<i>Nothofagidites goniatus</i>										Middle <i>Nothofagidites asperus</i>								↑ DEMONS BLUFF FORMS REGIONAL SEAL		
45	EOCENE	Middle	Lower <i>Nothofagidites asperus</i>	UPPER EASTERN	GOOD (GAS & OIL)	IMMATURE	DRY GAS PRESERVATION	WET GAS PRESERVATION	ONSET				INTRA FORMATIONAL SEALS REQUIRED	↓									
50			Early										<i>Proteacidites asperopolus</i>	Upper Malvacipollis diversus	FAIR (GAS & OIL)	IMMATURE						EARLY STRUCTURES STRAT TRAPS	
55													Late	Lower Malvacipollis diversus	VIEW	V. GOOD (GAS & OIL)	TRANSITION MATURE	PEAK			1000'		EARLY FAULTS
60	PALEOCENE	Middle	Upper <i>Lygistepollenites balmei</i>	LOWER COAL	GOOD TO VERY GOOD (GAS & OIL)	TO MATURE	ONSET																
65			Early										Lower <i>Lygistepollenites balmei</i>										
98	LATE CRETACEOUS		<i>Trocolpites longus</i>	MEASURES	FAIR (BASS 3)	MATURE TO OVERMATURE (DRY GAS)																	
	EARLY CRETACEOUS			OTWAY GROUP	FAIR TO GOOD (DITBROON)	OVERMATURE																	

PROGRESSIVE PEAK MATURITY PERIOD OF EXPULSION

NOTE: ALL TRAPS MUST BE BELOW DEMONS BLUFF FM.