

TABLE 4: EXINITE MACERAL ABUNDANCE AND FLUORESCENCE CHARACTERISTICS, PELICAN-5

Depth (m)	Exinite Macerals	Lithology/Comments
1851-1860	res (Ab; iG-dO), spo (Ab; mY-mO), cut (Ab; mY-dO), sub (Ab; iY), lipto (Ab; mY-mO)	Chiefly siltstone, 30-40% coal, 10-15% sandstone, ≈5% carbonaceous siltstone. Coals contain up to 35% exinite (approx. 15-20% resinite).
1999.4*	res (Ab; iG-dO), sub (Sp-Co; mO-dO), spo (Sp; mY-mO), cut (Vr; mO)	Coal; inertinite is sclerotinite
2169-2178	res (Ab; mY-dO), lipto (Ab; mO), spo (Ab; mO), sub (Ab; dO-dB), exs (Ab; iYG-iY), oil (Ra; iYG-iY)	Chiefly coal, ≈10% sandstone, 5-10% siltstone; exsudatinite is often associated with resinite. Oil occurs in the siltstone and sandstone
2322-2331	res (Ab; mY-dO), sub (Co; dB), spo (Co; mY-mO), cut (Co; mY-mO), lipto (Sp; mY-dO), bmen (Ra-Sp; dO), ?oil (Ra; iY), exs (Vr; iYG-iY)	Chiefly sandstone, ≈40% coal, 5-10% siltstone; bitumen and ?oil appear to be mainly associated with the sandstone but may be contaminants. Bands of resinite occur up to ≈0.5 mm thick
2592-2601	res (Ab; mY-dB), sub (Ab; dO-dB), spo (Co; mO), exs (Co; iYG-iY), bmen (Co; mO-dO), cut (Sp; mO), oil (Ra; iYG-iY), thuc (Tr; mO-dB)	Chiefly coal, 5-10% sandstone, 5-10% siltstone; bitumen and some oil may be contaminants. However some oil is not assoc. with the bitumen and may not be a contaminant. Thucholite is evidence of oil migration.
2745-2754	spo (Ab; mO), cut (Co; mO), res (Co; mO), bmite (Co; dO), exs (Sp; iY-mO), lama (Ra; mO), bmen (Ra; dO-dB), ?oil (Ra-Vr; iY)	Chiefly siltstone and shale; 20-30% carbonaceous shale, 10-20% sandstone; bmen and some oil as above. Exsudatinite comprises up to 1% of some coal fragments
2790**	sub (Ab; dO-dB), spo (Ab; mO), res (Ab; mO-dO), cut (Co; mO-dO), lipto (Co; dO), exs (Ra-Vr; iY, dB), tela (Tr; iY)	Coal; telalginite is <u>Tasminites</u>
2790-2799	bmen (Ma; dO), sub (Ab-Ma; dO-dB), spo (Ab; mO), bmite (Ab; dO), cut (Co; mO), res (Co; mO-dB), exs (Co; iYG-dB)	Chiefly coal, 15-20% bitumen, ≈5% siltstone and shale; bitumen may be a contaminant. Some coals contain up to 50% exinite
2937*	lama (Ra; mO), spo (Vr; mO-dO), cut (Vr-Tr; mO), ?oil (Tr; iYG)	Siltstone; ?oil occurs as small accumulations in the siltstone