

Vincent *et al.* Supplementary Material. Table 3. Petrographic data table key.

Grain size	Grain shape	Grain sorting	Grain contacts/ packing	Pore types	Pore interconnectivity & Visual reservoir potential	Outcrop category	Exploration risk
						(see Tobin, 1997)	
mU 350-500 μm	wr well rounded	g good	F floating	PBG primary intergranular	E excellent	1 tight depositional facies	L low
mL 250-350 μm	r rounded	mg moderately good	P point	PWG primary intragranular	G good	2 uncertain depositional facies	M moderate
fU 177-250 μm	sr subrounded	m moderate	L long	SBG secondary intergranular	M moderate	3 recent pore destruction	H high
fL 125-177 μm	sa subangular	p poor	C concavo-convex	SWG secondary intragranular	P poor	4 dominantly compacted	U unknown
vfU 88-125 μm	a angular		S sutured	SBC secondary intercrystalline	N negligible	5 early near-surface compacted	
vfL 62-88 μm				SWC secondary intracrystalline		6 late burial cemented	
silt 4-62 μm				F fracture		7 recent weathering minimal	
clay <4 μm	Porosity		Data			8 weathered; depositional fabric	
	P porous	- not available				9 weathered; depositional fabric	
	T tight					10 recent weathering uncertain	