

PLAY CONCEPT SHEET

CATEGORY	Concept	
LOCATION	Southwest Ramp eg TQH5-145 (Figure 11.77)	
DESCRIPTION OF TRAP	(a) Subcrop of <i>M.diversus</i> , Palaeocene & Cretaceous units of the southwestern margin (b) Onlap of the Palaeocene & Late Cretaceous onto Early Cretaceous (c) Onlap of Palaeocene & Cretaceous sediments onto basement	
PRIMARY OBJECTIVES	EVCM - Middle <i>M.diversus</i> - Palaeocene - Cretaceous	
MAXIMUM CLOSURE	Unknown, potentially large	
DEPTH TO TOP RESERVOIR	Shallowest Middle <i>M.diversus</i>	1495mSS
	Shallowest Palaeocene	1460mSS
	Shallowest Cretaceous	1365mSS

DESCRIPTION OF RISK ELEMENTS**SOURCE**

Potential source intervals for lateral migration of hydrocarbons in lower *M.diversus* and Palaeocene reservoirs are currently mid-mature for oil generation. For the deeper units the basement vitrinite reflectance map shows maturity to range from mid-mature for oil through to main gas generation. Source risk for gas is considered moderate at the *M.diversus* and Palaeocene levels and low for Cretaceous units. The source risk for oil is considered moderate at all levels.

RESERVOIR

The average porosity predicted for middle *M.diversus* and Palaeocene reservoirs could exceed 30%. Little is known about the reservoir characteristics of the Cretaceous sediments but the shallow burial should promote preservation of sandstone quality.

Reservoir risk is considered to be low.