

## PROSPECT DATA SHEET

## VERIDIAN

<b>CATEGORY</b>	Lead		
<b>LOCATION</b>	Seismic line TNK4-75 Sp 1183 (Palaeocene)		
<b>DESCRIPTION OF TRAP</b>	Low relief anticline.		
<b>PRIMARY OBJECTIVES</b>	EVCN	-	Palaeocene
<b>MAXIMUM CLOSURE</b>	EVCN	-	Palaeocene 48.29 square kilometres
<b>SECONDARY OBJECTIVES</b>	EVCN	-	Middle <i>M.diversus</i> (possible closure) - Cretaceous
<b>DEPTH TO RESERVOIR</b>	EVCN	-	Palaeocene 2538 mSS

**DESCRIPTION OF RISK ELEMENTS****SOURCE**

Veridian is located west of Poonboon 1 on the Poonboon Platform. The source potential of this structural province is untested as Poonboon 1 was drilled outside of closure at the objective Palaeocene level. At Veridian the middle *M.diversus* is early mature for oil generation grading to middle mature at the Palaeocene and gas window at basement. The Palaeocene level therefore has the potential for either an oil or gas charge both of which are rated as moderate risk.

Veridian is dependent either on vertical migration to charge the trap or on lateral migration from the Yolla or Squid Troughs.

**RESERVOIR**

Nangkero 1 and Poonboon 1 have shown that the Poonboon Platform is characterised by generally better reservoir quality than the wells drilled in the Pelican Trough. An average porosity of 21% is predicted for the Palaeocene targets at Veridian. Reservoir risk is considered to be moderate to high.

**SEAL**

If the anticlinal form of Veridian is confirmed by further seismic data then there is a very good chance that intraformational seals could provide viable traps. Sealing risk is rated as low.

**STRUCTURE**

Veridian is very poorly controlled on a widely spaced regional seismic grid and could fragment into smaller closures with additional detailed seismic data. Structural closure is therefore rated as high risk.