

PROSPECT DATA SHEET

SURVILLE

CATEGORY	Lead		
LOCATION	Seismic line TNK4-44A Sp 700 (middle <i>M.diversus</i>) Seismic line TNK4-99 Sp 390 (Palaeocene)		
DESCRIPTION OF TRAP	Tilted fault block against northwest trending fault		
PRIMARY OBJECTIVES	EVCM - Middle <i>M.diversus</i> - Palaeocene		
MAXIMUM CLOSURE	EVCM - Middle <i>M.diversus</i> Palaeocene	6.9 square kilometres 9.2 square kilometres	
SECONDARY OBJECTIVES	None		
DEPTH TO TOP RESERVOIR	EVCM - Middle <i>M.diversus</i> Palaeocene	2542 mSS 3160 mSS	

DESCRIPTION OF RISK ELEMENTS

SOURCE

Surville is located near to the axis of the Pelican Trough, and south of the Pelican Field, which has proven gas and condensate generating potential. Maturity modelling predicts that at the middle *M.diversus* the sequence will be middle mature for oil generation grading to middle-late mature at the Palaeocene and overmature at basement. Source risk for gas is rated as low and moderate for oil.

RESERVOIR

Porosity verses depth profiles predict a porosity of 22% for the middle *M.diversus* reservoirs decreasing to 15% in the Palaeocene. Reservoir parameters therefore will be similar to Pelican Field where deliverability remains conjectural. The lead represents a very similar location to that drilled by nearby Pelican 4. Reservoir risk is moderate to high.

SEAL

Surville is dependent on the development of intraformational top seals and cross fault or fault plane seals. Sealing risk is moderate at the middle *M.diversus* and low to moderate at the Palaeocene.