



Brazil - 2005

Marimba MultiComponent 3D

The Marimba 3D4C program was designed to help delineate the producing field (2500 m – 2900 m depth).

The currently producing intervals include an upper Cretaceous sandstone in the Carapebus Formation.

SURVEY SUMMARY

Type: 3D
Size: 74 sq. km
Acquisition year: 2005
Completion of processing: 2006
Water depth: 200 - 900 m
Shooting direction: 90 / 270
Vessels: Ocean Explorer, Falcon Explorer, Bergen Surveyor

ACQUISITION PARAMETERS

Streamer length: 6000 m
Shot interval: 37.5 m
Record length: 10000 ms
Source depth: 5 m
Sample rate: 2 ms
Bin dimensions (Acquisition): 25 x 25 m
Fold: 120

PROCESSING AND DELIVERABLES

Processing: Dual sensor summation, Kirchhoff prestack time migration (PSTM)

Time products: Angle stack near, Angle stack mid, Angle stack far, PSTM gathers, Stacking velocity, Migration velocity, Prestack time migration P-wave, Prestack time migration C-time