



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