



Brazil - 2004

## Viola MultiComponent 3D

The Viola 3D OBS infill program was designed to help delineate the producing field.

The current production interval is a Tertiary Eocene sandstone. Additional 4C data were produced to further illuminate the reservoir extent.

**SURVEY SUMMARY**

**Type:** 3D  
**Size:** 88 sq. km  
**Acquisition year:** 2004  
**Completion of processing:** 2005  
**Water depth:** 120 - 640 m  
**Shooting direction:** 122 / 302  
**Vessels:** Ocean Explorer, Falcon Explorer, Bergen Surveyor

**ACQUISITION PARAMETERS**

**Number of streamers:** 6  
**Streamer length:** 6000 m  
**Streamer separation:** 400 m  
**Shot interval:** 37.5 m  
**Record length:** 6000 ms  
**Source depth:** 5 m  
**Sample rate:** 2 ms  
**Bin dimensions (Processing):** 12.5 x 25 m  
**Fold:** 120

**PROCESSING AND DELIVERABLES**

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

**Time products:** Final Kirchhoff PSTM Stack, Angle stack near, Angle stack mid, Angle stack far, PSTM gathers, Stacking velocity, Migration velocity