



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