



Santos Basin – Brazil – 2012

BS-1 South 3D

The survey is located on the shelf slope in the central part of Santos Basin.

The survey is on trend and adjacent to the prolific fields and discoveries in the deep water portion of the Santos Basin.

SURVEY SUMMARY

Type: 3D
Geometry: Standard
Size: 4624 sq. km
Acquisition year: 2012
Completion of processing: 2013
Water depth: 100 - 1000 m
Shooting direction: 0 / 180
Vessel: Ramform Sovereign

ACQUISITION PARAMETERS

Number of streamers: 12
Streamer length: 8100 m
Streamer separation: 100 m
Record length: 10000 ms
Source depth: 7 m
Sample rate: 2 ms
Bin dimensions (Acquisition): 6.25 x 25 m
Bin dimensions (Processing): 12.5 x 12.5 m
Fold: 80

PROCESSING AND DELIVERABLES

Processing: 3D surface related multiple elimination (SRME), Beam depth migration, Radon and residual, Anisotropic Kirchhoff Pre-Stack Depth Migration (PSDM), Kirchhoff prestack time migration (PSTM)

Depth products: Final Kirchhoff PSDM stack, Final beam PSDM stack, PSDM gathers, PSDM angle stack near, PSDM angle stack mid, PSDM angle stack far, PSDM angle stack u-far, Velocity model

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