



Campos Basin - Brazil - 2005

Albacora/Roncador HD 3D

A high definition 4D baseline survey designed to repeatedly illuminate the produced and unswept area

The Albacora turbidite reservoir is producing oil from Tertiary sandstones in the Miocene, Oligocene and Eocene intervals.

Besides the postsalt turbidites, the presalt interval (late rift/sag limestones) has become an important target in the area of the Albacora hydrocarbon field.

SURVEY SUMMARY

Type: 3D
Geometry: Standard
Size: 1027 sq. km
Acquisition year: 2005
Completion of processing: 2006
Reprocessed: Yes
Water depth: 500 – 2000 m
Shooting direction: 90 / 270
Vessel: Ramform Valiant

ACQUISITION PARAMETERS

Number of streamers: 12
Streamer length: 6000 m
Streamer separation: 50 m
Record length: 6500 ms
Source depth: 6 m
Sample rate: 2 ms
Bin dimensions (Acquisition): 6.25 x 12.5 m
Bin dimensions (Processing): 6.25 x 12.5 m
Fold: 80

PROCESSING AND DELIVERABLES

Processing: 3D surface related multiple elimination (SRME), Kirchhoff prestack time migration (PSTM), Kirchhoff prestack depth migration (PSDM)

Depth products: Final Kirchhoff PSDM stack, PSDM gathers, Velocity model

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