



Jequitinhonha Basin – Brazil – 2011

BM-J-4 South 3D GeoStreamer

Encompasses the shelf to deeper water area of the northern part of the Jequitinhonha Basin.

Prospective targets include sandstones and/or carbonates in the Cretaceous.

SURVEY SUMMARY

Type: 3D
Geostreamer: Yes
Geometry: MAZ
Size: 1071.2 sq. km
Acquisition year: 2011
Completion of processing: 2012
Reprocessed: Yes
Water depth: 1000 - 3500 m
Shooting direction: 0 / 180; 150 / 330; 90 / 270
Vessel: Ramform Valiant

ACQUISITION PARAMETERS

Number of streamers: 10
Streamer length: 8100 / 6000 m
Shot interval: 25 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: P-UP generation, Kirchhoff prestack time migration (PSTM), Kirchhoff prestack depth migration (PSDM)

Depth products: Final Kirchhoff PSDM stack, Final multi-azimuth (MAZ) stack, Final beam PSDM stack, PSDM gathers, PSDM angle stack near, PSDM angle stack mid, PSDM angle stack far, Velocity model

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