



Ceduna Sub-Basin – Australia – 2015

Springboard Ceduna Merge MC3D 3D GeoStreamer

20,000 sq.km merged Depth Migrated data in the frontier Ceduna sub-basin offshore South Australia

The Springboard MC3D GeoStreamer survey was acquired with the same acquisition geometry and parameters as the adjacent Ceduna 3D survey. By integrating the Ceduna pre-migrated data into the PGS Springboard MC3D PSDM programme, PGS has generated a fully imaged 20,000 sq.km PSDM volume.

The basin's potential prospective fairways lie within the substantial Late Cretaceous deltaic successions.

The Springboard survey is true broadband Dual sensor 3D seismic data with pre-stack AVO/AVA fidelity. The Springboard and Ceduna surveys have been processed to depth to create one single merged ~20 000 sq.km MC3D volume.

SURVEY SUMMARY

Type: 3D
Geostreamer: Yes
Size: 19948.5 sq. km
Acquisition year: 2015
Completion of processing: 2016
Reprocessed: Yes
Vessel: Ramform Sovereign,
Ramform Sterling

ACQUISITION PARAMETERS

Number of streamers: 12
Streamer length: 8100 m
Streamer separation: 120 m
Shot interval: 25 m
Record length: 9216 ms
Sample rate: 2 ms

PROCESSING AND DELIVERABLES

Processing: P-UP generation, 3D surface related multiple elimination (SRME), High resolution radon demultiple, Kirchhoff prestack depth migration (PSDM)

Depth products: Final Kirchhoff PSDM stack, 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, Angle stack u-far, Stacking velocity, Migration velocity