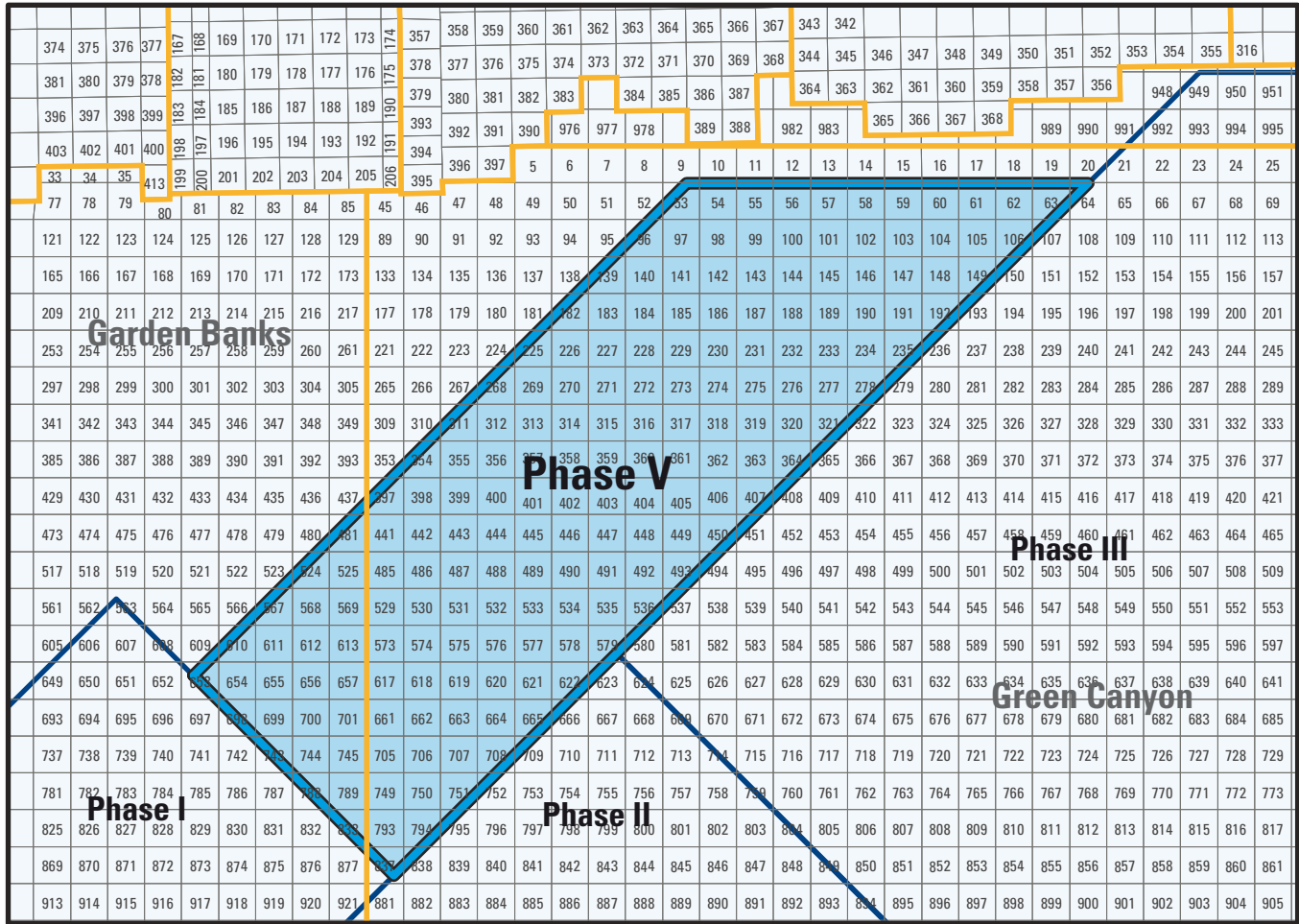


E-Octopus V

Gulf of Mexico
Green Canyon, Garden Banks

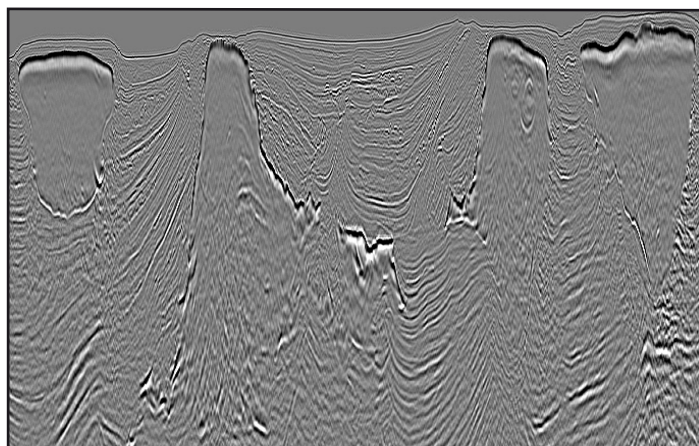


Key Highlights

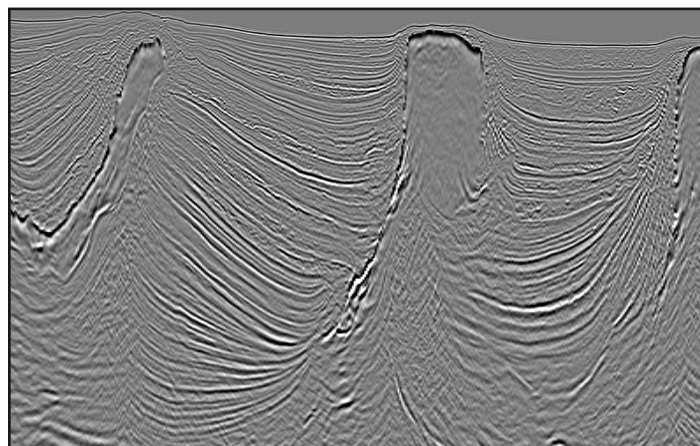
- Q-Marine* point-receiver seismic system
- Wide-azimuth acquisition
- True-azimuth 3D GSMP* demultiple
- Final WEM (Wave Equation Migration)
- Merged with E-Octopus Phases I, II, & III to produce a seamless product

3D Generalized Surface Multiple Prediction (3D GSMP) is a mark of Schlumberger
*Mark of Schlumberger

E-Octopus V



Inline



Crossline

Final WEM migration

Acquisition Parameters

Recording System	Q-Marine* point-receiver seismic system
Energy Source	Single source: 8,475 in ³
Line Orientation	NE/SW
Source Depth	10 m
Streamer Configuration	Multi-streamer: 10 x 7,000 m cables
Streamer Depth	12 m
Maximum Offset	8,600 m
Sample Rate	2 ms
Record Length	14 s
DGF Receiver Interval	12.5 m
Recorded Bin Dimensions	6.25 x 60 m
Acquisition Completed	November 2008

Processing Flow

Q* point-receiver seismic acquisition and processing methodology
Digital group forming (DGF): output 12.5 m
Navigation merge
Calibrated marine source designation
Anomalous amplitude attenuation
Water velocity correction
Inverse Q: phase only
3D GSMP* demultiple
3 iterations of multiazimuth sediment tomography (incorporating anisotropy)
High-resolution sediment flood (pick top of salt 1)
Salt flood 1 (pick bottom of salt 1)
Salt body 1 (pick top of salt 2)
Salt flood 2 (pick bottom of salt 2)
Salt body 2
Subsalt tomography (using angle gathers)
Full salt body velocity model
Final WEM (Wave Equation Migration) 25 Hz (salt body 3 migration)
Processing completed: March 2010

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