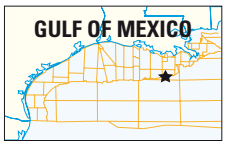
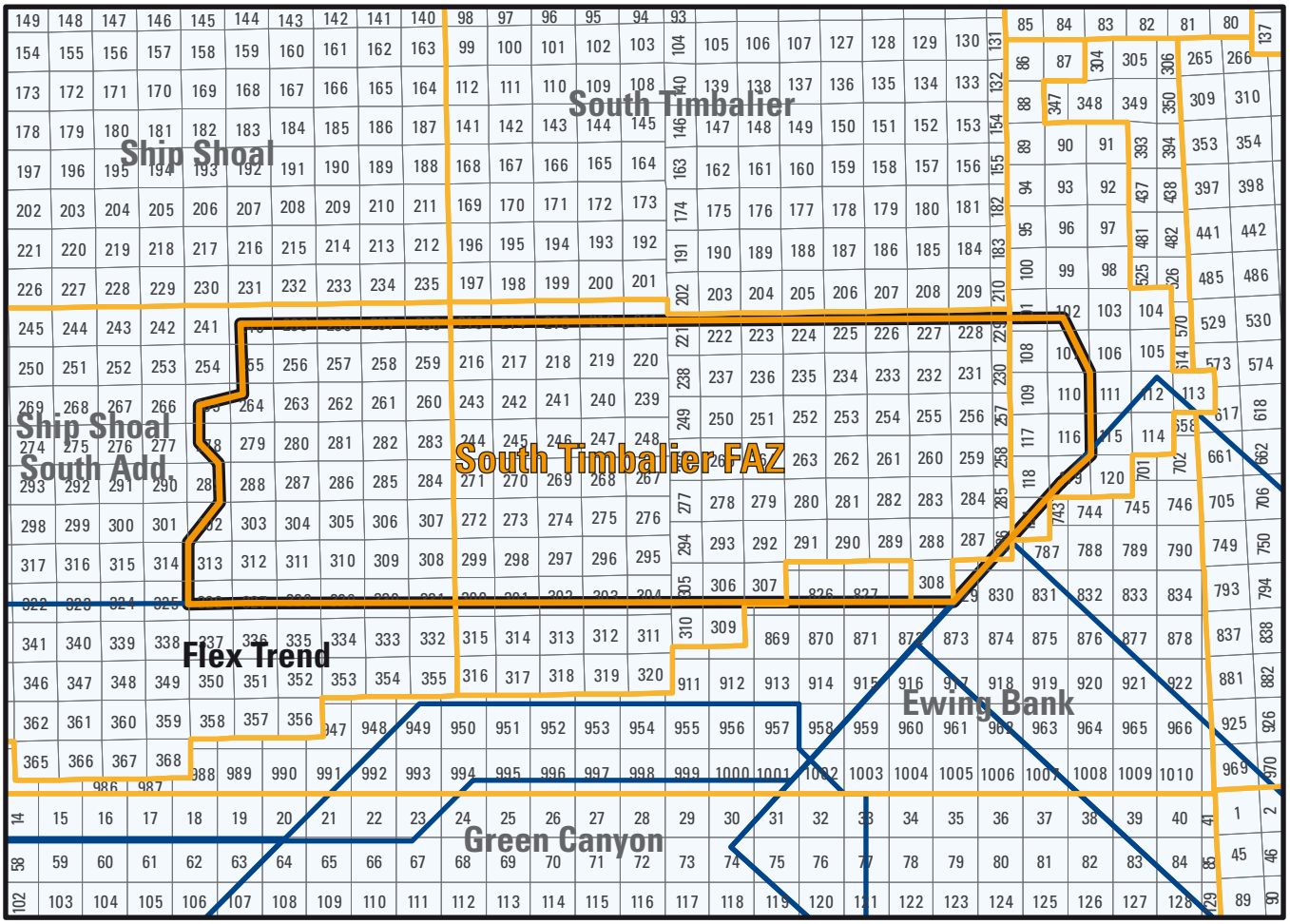


Multiclient

South Timbalier FAZ

Gulf of Mexico

South Timbalier South, Ship Shoal South Addition, Grand Isle South Addition



Key Highlights
Q-Marine* point-receiver marine seismic system
Single coil shooting multivessel full-azimuth acquisition
10,000-m maximum offsets
Model based deterministic water-layer demultiple (DWD)
True azimuth 3D GSMP* 3D general surface multiple prediction
Full waveform inversion (FWI)
Velocity model building incorporating tilted transverse isotropy (TTI)
Anisotropic Kirchhoff and reverse time migration (RTM) final volumes

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South Timbalier FAZ

Acquisition Parameters	
Recording system	Q-Marine* point-receiver marine seismic system
Energy source	Single source: 8,475 in^3
Source depth	10 m
Streamer configuration	Multistreamer: ten 8,000-m cables
Streamer depth	12 m
Maximum offset	10,000 m
Sample rate	2 ms
Record length	14 s
Digital group forming (DGF) receiver interval	12.5 m
Acquisition completed	December 2014

Processing Flow
DGF: output 12.5 m
Navigation merge
Calibrated marine source designature
Anomalous amplitude attenuation
Water velocity correction
Inverse Q: phase only
Model based deterministic water layer demultiple (DWD)
3D GSMP* 3D general surface multiple prediction
Multiple iterations of multi-azimuth sediment tomography (incorporating anisotropy)
High-resolution sediment flood
Salt model building
Subsalt trend update
Full waveform inversion (FWI) velocity model building incorporating tilted transverse isotropy (TTI)
Anisotropic Kirchhoff migration and reverse time migration (RTM)

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