



SEITEL DATA

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Matagorda Island 3D
GOM

3,900 1,950 0 3,900 7,800 11,700
 Meters

Matagorda Island 3D Survey

(Includes Matagorda Island Extension and Matagorda Island OBC)

72.591 Blocks

Matagorda Island Acquisition Parameters

Date Acquired	1994
Shooting Direction	NW - SE
Number of Streamers	3
Streamer Separation	160m
Streamer Length	4000m
Recording Groups	480
Source Separation	80m
Shot Point Interval	50m
Acquired Bin Size	12.5 x 40m
Fold of Coverage	40
Record Length	8 sec
Sample Rate	2 msec

Generalized Processing Sequence

- 1) Reformat & Resample to 4msec
- 2) Merge navigation
- 3) Gain & delay-time compensation
- 4) Noise edit and mute
- 5) 2 gate spiking deconvolution, 240 msec
- 6) Flexible binning to 40m x 12.5m grid
- 7) 750m grid velocity analysis
- 8) Full Kirchhoff PSTM. 10Km aperture
- 9) 750m grid velocity analysis
- 10) NMO and radon demultiple
- 11) Stack
- 12) Noise attenuation
- 13) Crossline interpolation to 20m

Matagorda Island Extension Acquisition Parameters

Date Acquired	1996
Shooting Directions	East-West
Number of Streamers	2
Streamer Separation	160m
Streamer Length	4000m
Recording Groups	320
Source Separation	80m
Shot Point Interval	50m
Acquired Bin Size	12.5 x 40m
Fold of Coverage	40
Record Length	8 sec
Sample Rate	2 msec

Generalized Processing Sequence

- 1) Reformat & Resample to 4msec
- 2) Merge navigation
- 3) Gain & delay-time compensation
- 4) Noise edit and mute
- 5) 2 gate spiking deconvolution, 240 msec
- 6) Flexible binning to 40m x 12.5m grid
- 7) 750m grid velocity analysis
- 8) Full Kirchhoff PSTM. 10Km aperture
- 9) 750m grid velocity analysis
- 10) NMO and radon demultiple
- 11) Stack
- 12) Noise attenuation
- 13) Crossline interpolation to 20m

Matagorda Island OBC Acquisition Parameters

Date Acquired	1997
Shooting Directions	East - West
Number of Cables	2 per swath
Cable Separation	480m
Active Cable Length	+/- 6000m
2C Detector Interval	50m
Source Separation	80m
Shot Point Interval	100m
Acquired Bin Size	25 x 40m
Fold of Coverage	80
Record Length	8 sec
Sample Rate	2 msec

Generalized Processing Sequence

- 1) Reformat & Resample to 4msec
- 2) Merge navigation
- 3) Gain & delay-time compensation
- 4) Noise edit and mute
- 5) 2 gate spiking deconvolution, 240 msec
- 6) Flexible binning to 40m x 12.5m grid
- 7) 750m grid velocity analysis
- 8) Full Kirchhoff PSTM. 10Km aperture
- 9) 750m grid velocity analysis
- 10) NMO and radon demultiple
- 11) Stack
- 12) Noise attenuation
- 13) Crossline interpolation to 20m

