



SEITEL DATA

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**North Panther
 Creek 3D**

Claiborne Parish, LA

0 0.2 0.4 0.8 1.2 1.6
 Miles

Projection: NAD 1927 Louisiana North 1701

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North Panther 3D Survey Claiborne Parish, Louisiana

Acquisition Parameters (Grant Geophysical)

Recording System	I/O System 2
Survey Size	27.815 Square Miles
Acquired	February 1996
Sample Rate	2 Milliseconds
Record Length	8 Seconds
Source	5.5 lbs. Pentolite @ 110 feet
Receiver Array	6 Phones centered on flag
Bin Size	110 feet x 220 feet
Designed Fold @ full offset range	32
Receiver Line Orientation	NW - SE
Survey Method	GPS and conventional

Patch & Box Dimensions

No Channels	1452
Spread	11 lines x 132 channels
Patch	13,200 Feet x 28,820 Feet
Sources	969
Receivers	2903
Group Interval	220 Feet
Shot Interval	440 Feet (3 shots per salvo)
Receiver Line Interval	1320 Feet
Shot Line Interval	1980 Feet (Triple Brick)

Generalized Processing Sequence (Matrix Geophysical)

- 1) Reformat & Resample
- 2) Geometry Definition & Application
- 3) Q.C. Surveying/Positioning Data
- 4) Display Field Records & Edit
- 5) Spherical Divergence & Gain Correction
- 6) Deconvolution
- 7) Binning of Data into 82.5' x 165' bins
- 8) Regional Velocity Analysis
- 9) Initial Stacks
- 10) Structural Velocity Analysis
- 11) 3-D NMO Correction & Stack
- 12) 3-D Surface Consistent Residual Statics
- 13) Velocity Refinement
- 14) Second Iteration of 3-D Surface Consistent Residual Statics
- 15) Trim Statics
- 16) 3-D DMO Correction
- 17) Velocity Analysis
- 18) Final Stack and Interpolate to 82.5' x 82.5' bins
- 19) One Pass Migration
- 20) Final Filtering & Scaling

