



**SEITEL DATA**

Houston (713) 881-8900      Denver (303) 292-1990  
 New Orleans (504) 582-2290      Calgary (403) 515-2800

**Belleville 3D**  
 Conecuh County, AL

Miles  
 0.0125 0.5 0.75 1

Projection: NAD 1927 Alabama West 0102

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# Bellville 3D Survey

## Conecuh County, Alabama

### Acquisition Parameters (Tidelands)

Acquired	November 1997
Survey Size	30.658 Square Miles
Recording System	Eagle Opseis
Sample Rate	2 Milliseconds
Record Length	6 Seconds
Energy Source	6 Lbs. Dynoseis @ 100 – 150 feet
Source Spacing	330 Feet
Source Line Interval	1,320 Feet (440' Triple Brick)
Source Line Orientation	NW-SE

### Patch & Box Dimensions

Group Interval	220 Feet
Receiver Line Interval	1,320 Feet
Receiver Line Orientation	NE-SW
Receiver Array	6 Phones, point receiver
No Channels	1,032
Spread	8 lines x 129 channels
Patch	9,240 Feet x 28,160 Feet
Bin Size	110 Feet x 165 Feet
Nominal Fold	43

### Generalized Processing Sequence

- 1) Reformat
- 2) Geometry Definition & Application
- 3) Q.C. Surveying/Positioning Data
- 4) Display Field Records & Edit
- 5) 3D Refraction Statics (Maverick Geophysics software)
- 6) Spherical Divergence & Gain Correction
- 7) Surface Consistent Amplitude Correction
- 8) Deconvolution
- 9) Binning of Data into 110' x 165' bins
- 10) Regional Velocity Analysis ( 5280' x 5280' )
- 11) Initial Stacks
- 12) Structural Velocity Analysis ( 3960' x 3960' )
- 13) 3-D NMO Correction & Stack
- 14) 3-D Surface Consistent Residual Statics
- 15) Velocity Refinement
- 16) Second Iteration of 3-D Surface Consistent Residual Statics
- 17) 3-D DMO Correction
- 18) Velocity Analysis ( 2640' x 2640' )
- 19) Final Stack
- 20) One Pass Migration (Omega X)
- 21) Final Filtering & Scaling

