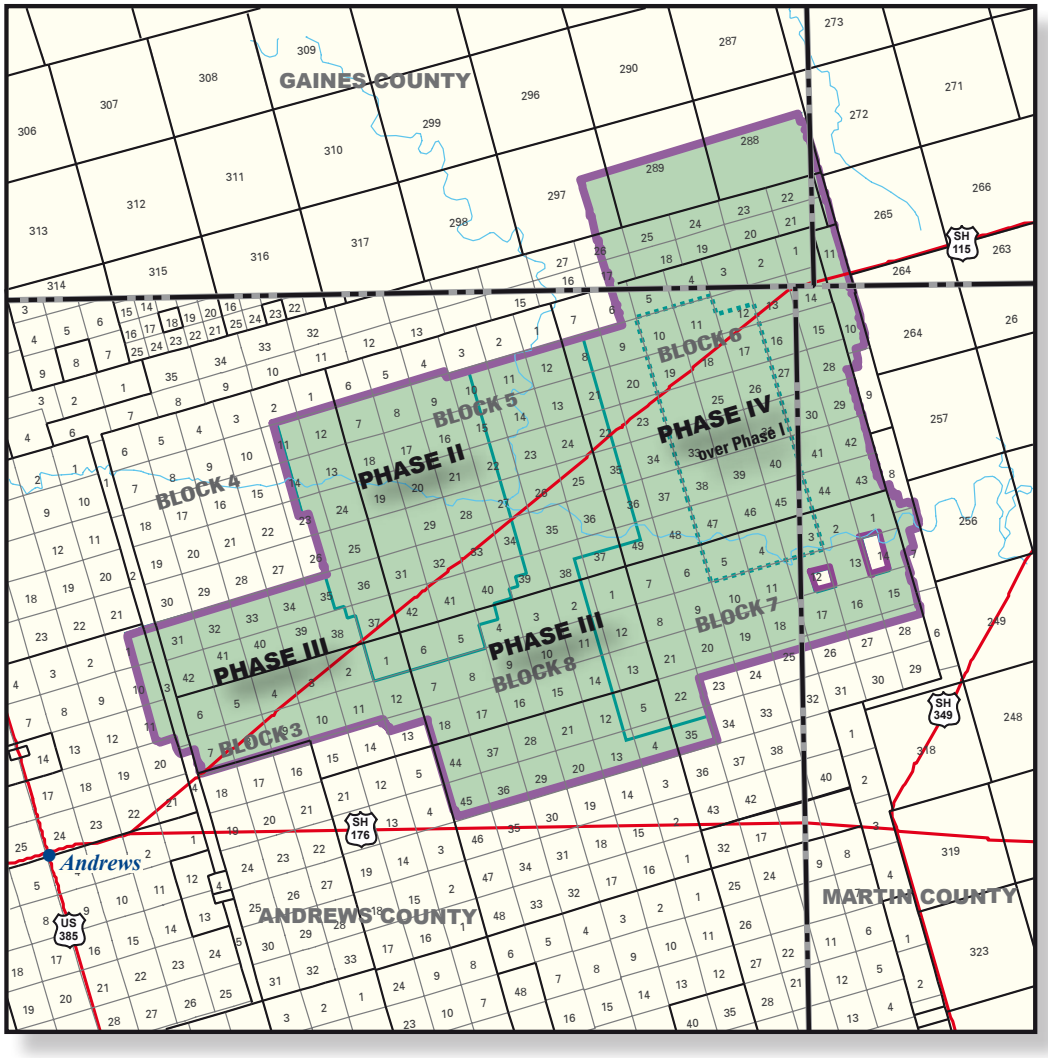
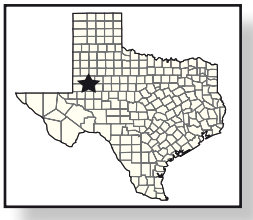
University Lands EMerge 1

Texas Land 3D





KIRCHHOFF PRESTACK TIME MIGRATION AVAILABLE NOW

Multiclient Services

KEY FEATURES

- Full isotropic 3D Kirchhoff PSTM including curved rays

For more details call:
713 689 1000

www.multiclient.westerngeco.com

WesternGeco

University Lands EMerge 1

Acquisition Parameters	
Phase II	
Recording System	Sercel 368 / 672 channels
Energy Source	Vibroseis
Spread Geometry	6 lines x 112 channels
Sweep Frequency	8-114 Hz + 3dB
Receiver Lines	220 ft intervals; 1100 ft apart; E/W
Source Lines	220 ft intervals; 1540 ft apart; N/S
Nominal Fold	2100%
Cell Size	110 x 110 ft
Average Far Offset	12,623 ft
Survey Completed	1995
Phase III	
Recording System	Sercel 368 / 896 channels
Energy Source	Vibroseis
Spread Geometry	8 lines x 112 channels
Sweep Frequency	8-114 Hz + 3dB
Receiver Lines	220 ft intervals; 1100 ft apart; E/W
Source Lines	220 ft intervals; 1540 ft apart; N/S
Nominal Fold	3200%
Cell Size	110 x 110 ft
Average Far Offset	12,907 ft
Survey Completed	1996
Phase IV	
Recording System	Sercel 368 / 896 channels
Energy Source	Vibroseis
Spread Geometry	8 lines x 126 channels
Sweep Frequency	8-114 Hz + 3dB
Receiver Lines	220 ft intervals; 1100 ft apart; E/W
Source Lines	220 ft intervals; 1540 ft apart; N/S
Nominal Fold	3600%
Cell Size	110 x 110 ft
Average Far Offset	12,907 ft
Survey Completed	1998

Processing Flow
2 ms processing sample rate
Data initialization and geometry / navigation merge
Amplitude recovery / trace editing
Survey match
AAA (Anomalous Amplitude Attenuation)
Surface consistent deconvolution
Spectral whitening
AAA - multiple domains
RAAC (Residual Amplitude Analysis and Compensation)
SCAC (Surface Consistent Amplitude Correction)
Refraction statics solution (Tau-P tomography)
Preliminary velocity analysis (2 mile grid)
3D surface consistent reflection statics - first pass
Stacking velocity analysis (1 mile grid)
3D surface consistent reflection statics - second pass
Residual phase and amplitude match between surveys
Migration pre-conditioning (includes removing scaling/filtering as required)
Binning / offset regularization
Kirchhoff PSTM target line for migration velocity field determination (1 mile grid)
Full 3D isotropic Kirchhoff PSTM including curved rays
RAAC
Residual velocity analysis on 1/2 mile grid, including eta scans if needed
Final NMO
Final mute and stack for full fold final stack volume
Full fold final stack with poststack noise attenuation, filtering, and scaling
Processing completed November 2008

Copyright © 2012 Schlumberger. All rights reserved. 7/09/2012.

WesternGeco