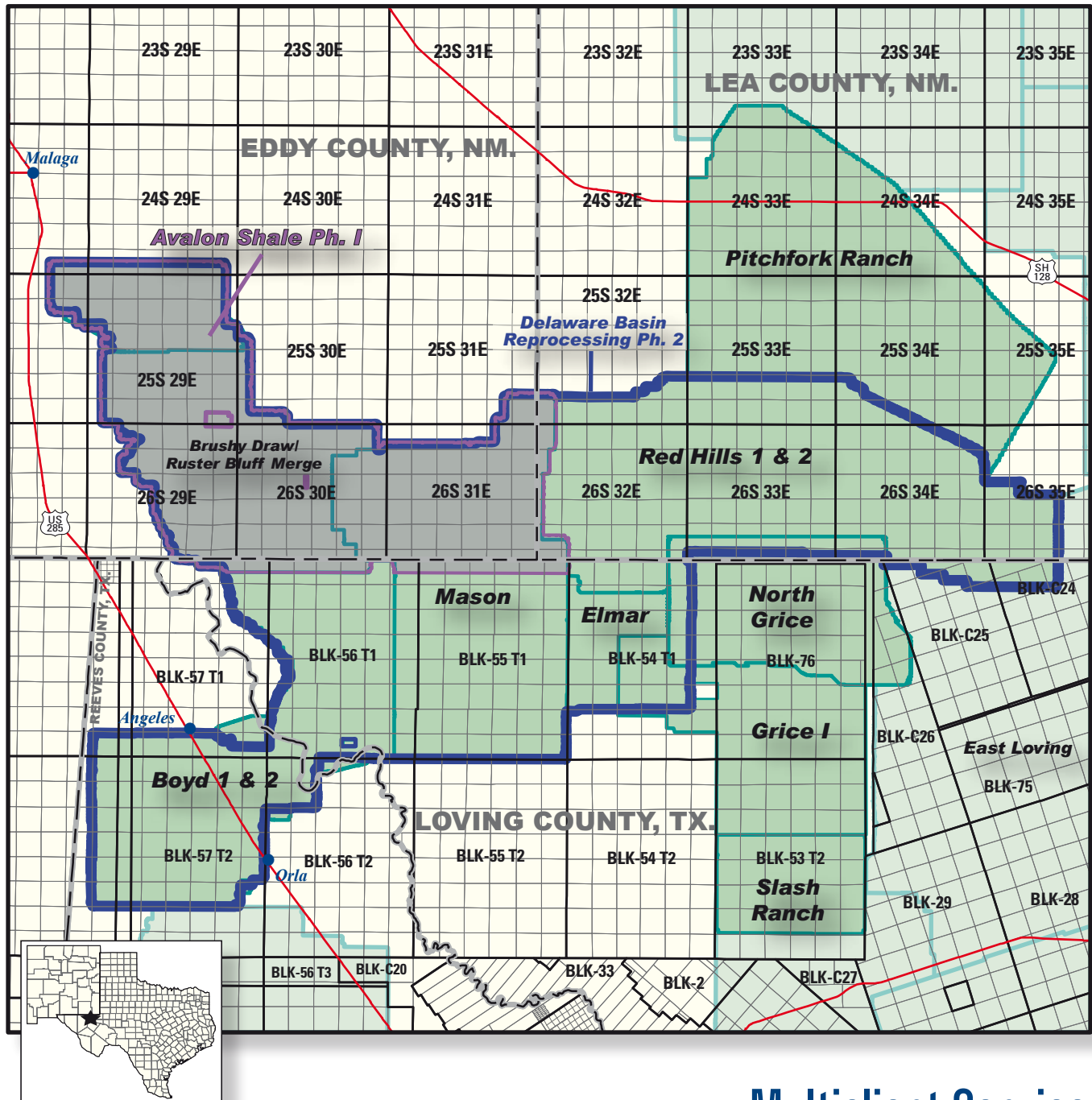


Central Delaware Basin

Permian Basin Land 3D



WEST TEXAS / SOUTHEAST NEW MEXICO

KEY FEATURES

- Avalon Shale Ph. I - anisotropic Kirchhoff prestack time migration

Multiclient Services

For more details call:
713 689 1000

www.multiclient.westerngeco.com



Central Delaware Basin

Acquisition Parameters

Brushy Draw, Boyd, Elmar, Red Hills 1 & 2, Pitchfork Ranch, Slash Ranch

Source	Vibrator; 6 sweeps x 10 s	
Geometry	Brick	
Bin Size	110 x 110 ft	
Maximum Offset	16,000 ft	
Fold	48 (26 for Pitchfork Ranch)	
Surveys Completed	Brushy Draw	1998
	Boyd	1998
	Elmar	1997
	Red Hills 1 & 2	2000
	Pitchfork Ranch	1999
	Slash Ranch	1998

Mason

Source	Vibrator; 8 sweeps x 10 s; 6 sweeps x 10 s	
Geometry	Brick, orthogonal	
Bin Size	110 x 110 ft	
Maximum Offset	11,500 ft (North)	16,000 ft (South)
Fold	32 (North)	48 (South)

Survey Completed 1997

Grice I*

Source	Vibrator; 8 sweeps x 8 s	
Geometry	Slant	
Bin Size	110 x 110 ft	
Maximum Offset	16,558 ft	
Fold	48	
Survey Completed	2000	

North Grice*

Source	Vibrator; 8 sweeps x 8 s	
Geometry	Slant	
Bin Size	110 x 110 ft	
Maximum Offset	14,307 ft	
Fold	53-54	

**Processing Parameters upon request.*

Processing Flow

Brushy Draw, Boyd, Mason, Elmar,

Red Hills 1 & 2, Pitchfork Ranch, Slash Ranch

Geometry / trace editing
Datum / elevation statics / refraction statics
Minimum phase conversion
Amplitude recovery / trace editing
Surface consistent deconvolution
3D velocity analysis (5280 ft grid)
3D surface consistent residual statics
CMP residual statics
Spectral balancing
NMO application
3D CMP stack
Noise attenuation (FXI deconvolution)
3D one pass migration
Bandpass filter / final scaling

Delaware Basin Reprocessing Ph.2

Geometry merge
Spherical divergence
Refraction statics
Trace edit / ground roll attenuation
Surface consistent deconvolution
Noise attenuation
Velocity analysis (2 mile grid)
Residual statics
Velocity analysis (1 mile grid)
Residual statics
DMO stack
3D migration
3D RNA
Filter / amplitude balancing
Processing completed August 2000

Avalon Shale Ph. 1

Please see the individual brochure for acquisition and processing flow.

