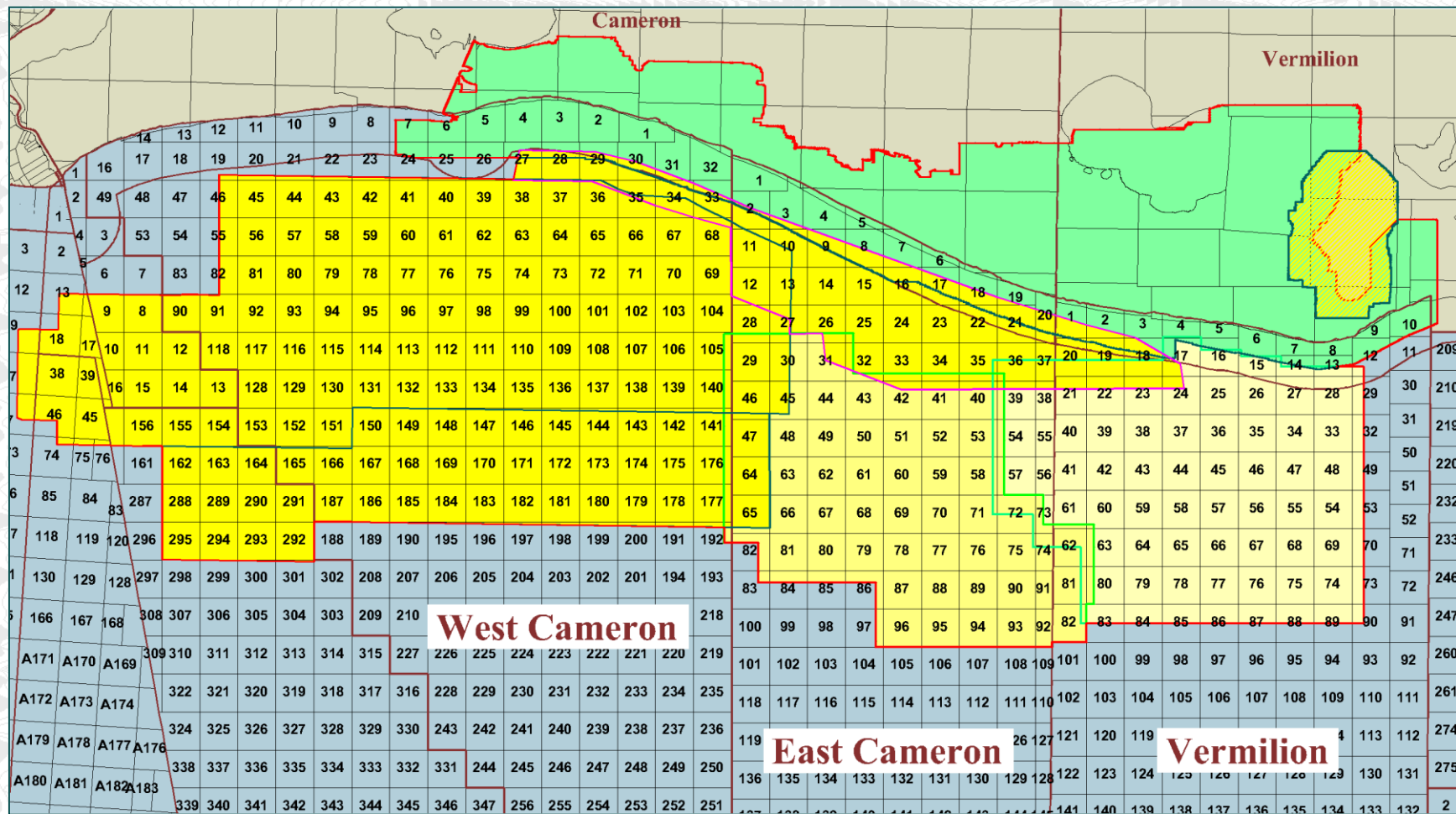


Cameron-Vermilion Depth 1 + Freshwater Bayou

Offshore Gulf of Mexico

3304.46 Square Miles



Geophysical Pursuit 3-D Surveys

Cameron-Vermilion Depth 1 + Freshwater Bayou

Offshore Gulf of Mexico

3304.46 Square Miles



Acquisition Parameters

	West Cameron 30, 31 & 32 (bright yellow)	Cameron-Vermilion TZ (green)	East Cameron 01 & 02 (medium yellow)	Vermilion I, II & III (light yellow)	Freshwater Bayou (yellow diagonal striped)
Recording Template:	Inline Swath (E-W & ESE-WNW)	Patch / Swath	Crossline Patch	Inline Swath (N-S)	Patch
Receiver Geometry:	50m stations/480m lines	220ft intervals	50m stations/600m lines	50m stations/800m lines	220ft stations/1,110ft lines
Source Geometry:	75m stations/80m lines	220ft intervals	50m stations/100m lines	50m stations/100m lines	220ft stations/1,320ft lines
Energy Source Type:	airgun	shot hole / airgun	airgun	airgun	shot hole
Energy Source Details:	118bar-m	6lb / 50bar-m	100bar-m	82bar-m	2½lbs @ 40ft
Recording Instruments:	Syntrak 960 (4C)	various	Syntrak (2C)	Syntrak 480 (1C)	Digiseis Flex 960ch
Nominal Far Offset:	9,000m	35,640ft	6,000m	6,000m	12,300ft
Nominal Fold:	120	60	60	120	40
Acquisition Bin Size:	25x40 m	110x110 ft	25x25 m	25x50 m	110x110 ft
Record Length:	13sec @ 2ms	7-10sec @ 2/4ms	11sec @ 2ms	8sec @ 2ms	8sec @ 4ms
Acquisition Period:	2005, 2006 & 2007	1997	1995	1991 & 1992	1994 & 1995
Contractor:	WesternGeco	Geco-Prakla	Western Geophysical	Western Geophysical	Geco-Prakla

Processing Sequence

Anisotropic PreStack Time Migration (Dec 2008)

1. Geometry verification, resample to 4ms, offset limit to 9Km
2. Noise Attenuation
3. Co-sensor summation
4. Noise Attenuation
5. Spectrally constrained surface consistent deconvolution
6. Datum, Residual & Refraction Statics
7. Surface Consistent Amplitude Compensation (SCAC)
8. Noise Attenuation
9. Phase & Time match to WC30 & 31
10. Residual Statics, Noise Attenuation & Phase match
11. Amplitude match to WC30 & 31
12. Interpolation & Regularization
13. KPrSTM velocity analysis @ 1Km w/ anisotropy
14. Anisotropic KPrSTM (25x20 m, 60 offsets @ 150m)
15. Stacking velocity analysis @ ½Km
16. Radon demultiple, ORAAC & AFA
17. Final Stacks
18. DAS, Tau-p, TVF & RAAC

Anisotropic PreStack Depth Migration (Aug 2009)

19. Three iterations of KPrSDM cell based 3D Common Image Point tomography for sediment velocity determination @ 200m
20. KPrSDM velocity analysis @ 1Km w/ anisotropy
21. Anisotropic KPrSDM (25x20 m, 60 offsets @ 150m)
22. Stacking velocity analysis @ ½Km
23. Radon demultiple, ORAAC & AFA
24. Final Stacks
25. DAS, Tau-p, TVF & RAAC

Available Data Sets (+ FwB Apr 2012)

Anisotropic KPrSTM:

- A. Raw, Final & Enhanced (structural) Stacks
- B. Angle Stacks (2-14°, 14-26°, 26-38° & 38-50°)
- C. Raw unflattened (w/o NMO) gathers
- D. Conditioned (w/ NMO) gathers

Anisotropic KPrSDM:

- E. Raw, Final & Enhanced (structural) Stacks
- F. Angle Stacks (2-12°, 12-22°, 22-32° & 32-42°)
- G. Raw unflattened (w/o NMO) gathers
- H. Conditioned (w/ NMO) gathers