



SEITEL DATA
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NW Aneth 3D
 San Juan County, UT

0 0.2 0.4 0.8 1.2 1.6
 Miles

Projection: NAD 1927 Utah South 4303

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NW Aneth 3D Survey

San Juan County, UT.

Acquisition Parameters (Western Geophysical)

Recording System	I/O System II
Survey Size	41.940 Square Miles
Sample Rate	2 Milliseconds
Record Length	3 Seconds
Source	11 lbs. Pentolite @ 45 feet
Receiver Array	6 Phones (walked circle)
Bin Size	82.5 x 82.5feet
Designed Fold @ full offset range	18
Receiver Line Orientation	East-West
Survey Method	GPS and conventional

Patch & Box Dimensions

No Channels	1008
Spread	12 lines x 84 channels
Patch	9,075 feet x 13,695 feet
Group Interval	165 feet
Shot Interval	165 feet (5 shots per salvo)
Receiver Line Interval	825 feet
Shot Line Interval	2,310 feet (45 degree diagonal)

Generalized Processing Sequence (Matrix Geophysical)

- 1) Reformat
- 2) Geometry Definition & Application
- 3) Q.C. Surveying/Positioning Data
- 4) Display Field Records & Edit
- 5) 3D Refraction Statics
- 6) Spherical Divergence & Gain Correction
- 7) Deconvolution
- 8) Binning of Data into 82.5' x 82.5' bins
- 9) Regional Velocity Analysis (½ mile grid)
- 10) Initial Stacks
- 11) Structural Velocity Analysis (½ mile grid)
- 12) 3-D NMO Correction & Stack
- 13) 3-D Surface Consistent Residual Statics
- 14) Velocity Refinement
- 15) Second Iteration of 3-D Surface Consistent Residual Statics
- 16) 3-D DMO Correction
- 17) Velocity Analysis (½ mile grid)
- 18) Final Stack
- 19) One Pass Migration
- 20) Final Filtering & Scaling