



# Battle 3D Survey

## Sweetwater County, WY.

### Acquisition Parameters (Quantum Geophysical)

Acquired	October 2000
Survey Size	113.341 Square Miles
Recording System	I/O System II RSR-3
Sample Rate	2 Milliseconds
Record Length	6 Seconds
Source	4 I/O AHV Buggy Mounted Vibrators (62,500 lb. Peak force)
Number of Sweeps	10 sweeps per v.p.
Sweep Length	10 seconds
Sweep Frequency	8 x 72 Hz.
Source Spacing	220 feet
Source Line Interval	1,760 feet (440' Quad Brick)
Source Line Orientation	E-W

### Patch & Box Dimensions

Group Interval	220 Feet
Receiver Line Interval	1,760 Feet
Receiver Line Orientation	N-S
Receiver Array	6 Phones, 6' box pattern
No Channels	2,592
Spread	18 lines x 144 channels
Patch	29,920 Feet x 31,460 Feet
Bin Size	110 feet x 110 feet
Nominal Fold	81

### Available Products

#### Basic:

- Field Tapes
- Geometry Corrected Shot Gathers
- Decon Gathers with Statics in Headers
- DMO Stack – raw
- DMO Migration – raw
- DMO Migration – noise-reduced

#### AZIM: **Sourdough Battle Merge ONLY**

- Fast RMS Velocities
- Fast/Slow RMS Velocities
- Fast RMS AZIM Velocities
- RMS Error Velocities
- Fast INT Velocities
- Fast/Slow INT Velocities
- Fast INT AZIM Velocities

#### Additional Availability:

- Sourdough Battle Merge

