



Mississippi

Simpson



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### Merit 3D

Simpson County, MS



Projection: NAD 1927 Mississippi West 2302

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# Merit 3D Survey Simpson County, MS

## Acquisition Parameters (Veritas DGC Inc.)

Acquired	September 1995
Recording System	I/O System II
Survey Size	12.371 Square Miles
Sample Rate	2 Milliseconds
Record Length	6 Seconds
Source	5.5 lbs. Pentalite @ 150 feet
Receiver Array	6 Phones inline over 70 feet
Bin Size	110 feet x 220 feet
Receiver Line Orientation	NE - SW

## Patch & Box Dimensions

No Channels	920
Spread	10 lines x 92 channels
Patch	11,880 Feet x 20,020 Feet
Group Interval	220 Feet
Shot Interval	440 Feet ( 3 shots per salvo )
Receiver Line Interval	1,320 Feet
Shot Line Interval	880/1,760 Feet (Brick)

## Available Products

### Basic:

- Field Tapes
- Geometry Corrected Shot Gathers
- DMO Stack – raw
- DMO Migration – raw
- DMO Migration – filter/scale
- DMO Migration – noise-reduced

### Pre Stack Time Migration (PSTM):

- PSTM CMP Gathers
- PSTM Stack – raw
- PSTM Stack – filter/scale
- PSTM Stack – noise-reduced
- PSTM Angle Stacks – 0-10, 10-20, 20-30 & 30-out degrees
- AVO Attribute Volumes – P, G, P+G, P\*G & FF

### Additional Availability:

- Saratoga Merge
- Triangle Merge

