

APPENDIX A

Seismic Acquisition Parameters and Processing Workflow

A-1. Seismic Acquisition Parameters

1) Survey definition

| | |
|-------------------|--------------------|
| Acquisition Mode: | 3D |
| Shot interval: | 18.75m / flip flop |
| Inline offset: | 315m |
| Cell Length: | 6.25m |
| Cell Width: | 28.125m |
| Line Orientation: | 37.0 / 217.0° |

2) Energy Source

| | |
|------------------------|------------------|
| Source type: | Sodera G guns |
| Number of sources: | 2 |
| Air pressure: | 2000 psi |
| Volume: | 2 x 3900 cu. In. |
| Number of sub-arrays: | 2 x 3 |
| Array Separation: | 56.25m |
| Gun String Separation: | 12.5m |
| Source Layout: | 14m x 25m |
| Source Length: | 14m |
| Source Depth: | 5m |

Gun synchronisation: 90% @ +/-1ms, 10% @ +/-1.5ms

3) Streamer

Number of Streamers: 8

Streamer Length: 4500m

Streamer Depth: 7m +/-1m

Streamer Separation: 112.5m

Number of groups: 8 x 360

Group interval: 12.5m

4) Data Recording

Projection: Transverse Mercator

Projection System: WGS84, UTM, Zone 51S

Central Meridian: 123° E

Scale Factor on Central Meridian: 0.9996

5) Map Projection

Record length: 5.5s

Sampling rate: 2ms

Lo-cut filter - Hydrophone: 3Hz / 12dB per octave

Hi-cut filter – Hydrophone: 206Hz / 276dB per octave

Format: SEG-D – 8036 3590 Tapes

A-2. Seismic Processing Workflow

- 1) Transcription from SEG-D to PGS internal format
- 2) Navigation-seismic merge
- 3) Shot and channel edits from observers reports
- 4) 3 Hz low cut filter
- 5) System delay static apply (Phase2 Ext -36ms, Phase2 and Onnia North -120ms)
- 6) Gain recovery – multiply amplitudes by T2

- 7) Swell noise attenuation (Spine) and despiking
- 8) Receiver-based Bandwidth Optimization (RBO)
- 9) Designature using far field signature to zero-phase
- 10) Receiver motion correction
- 11) Resample to 4ms with anti-alias filter
- 12) Linear noise attenuation (Tau-P)
- 13) Correct data to MSL – apply gun & cable correction and tidal statics correction
- 14) Deterministic shallow water demultiple (Swdemul)
- 15) Deep water multiple attenuation (3D SRME)
- 16) Reef replacement static
- 17) V1 velocity analysis (1012.5m x 1000m grid) – inline direction.
- 18) Residual linear noise attenuation
- 19) K-filter / trace drop
- 20) Extra V1 velocity analysis around reefs (506.25m x 500m grid) – inline direction
- 21) High resolution Radon demultiple
- 22) 4D regularization & interpolation of missing data (Interp4D)
 - a. Input grid size = 28.125m x 12.5m
 - b. Output grid size = 14.0625m x 12.5m
- 23) 3D CDP denoise in NE of prospect, outside of fully-migrated area
- 24) SEG-Y 3592 output – 3D Binned and Regularized Pre-Migration CDP Gathers (at MSL, without NMO correction, gain recovery removed, reef replacement statics applied)
- 25) Q phase (for VMB and final imaging deliverables) – Handover of Time to Depth processing
- 26) 6 Iterative VTI velocity updates using beam migration and reflection tomography
- 27) Beam Pre-Stack Depth Migration (unlimited aperture) output CMPs
- 28) Gather Preconditioning, Residual Moveout Correction (2nd order)
- 29) Q-amplitude Compensation
- 30) Time domain Radon De-multiple
- 31) 3D CDP Denoise

- 32) Trim Statics
- 33) Output 3D CMP BEAM Pre-SDM CIGs in SEG Y format (NMO applied in time domain)
- 34) Stack
 - a. FULL = 6 degree - TX mute,
 - b. ANGLES = NEAR (6-19 degrees), MID (19-32 degrees) and FAR (32-45 degrees)



ลิขสิทธิ์มหาวิทยาลัยเชียงใหม่
Copyright© by Chiang Mai University
All rights reserved

APPENDIX B

Well Tie Results

Chapter 4 was shown some examples of the final well tie of mid angle stack only. This appendix were contained all final well tie which used final averaged wavelets to generate the synthetic traces. The final well tie for near, mid and far angle stacks in the study were shown separately of Well-A, Well-C and Well-D in the following figures.

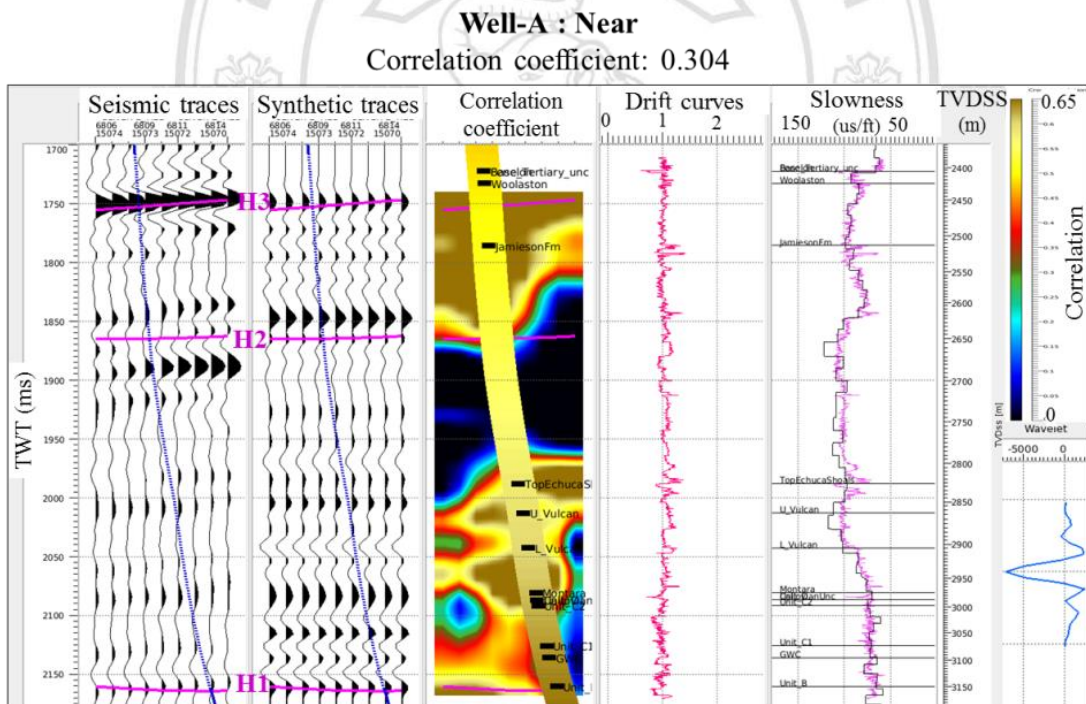


Figure B-1 Synthetic tie at Well-A showing the tie at near angle stacks.

Well-A : Mid
Correlation coefficient: 0.338

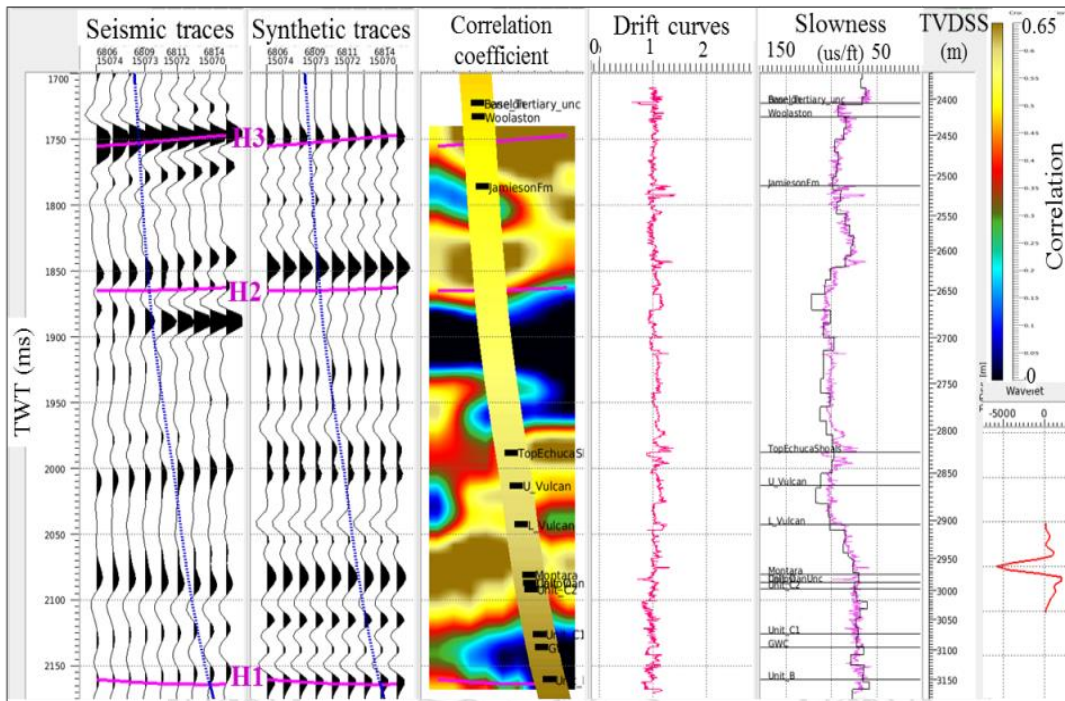


Figure B-2 Synthetic tie at Well-A showing the tie at mid angle stacks.

Well-A : Far
Correlation coefficient: 0.242

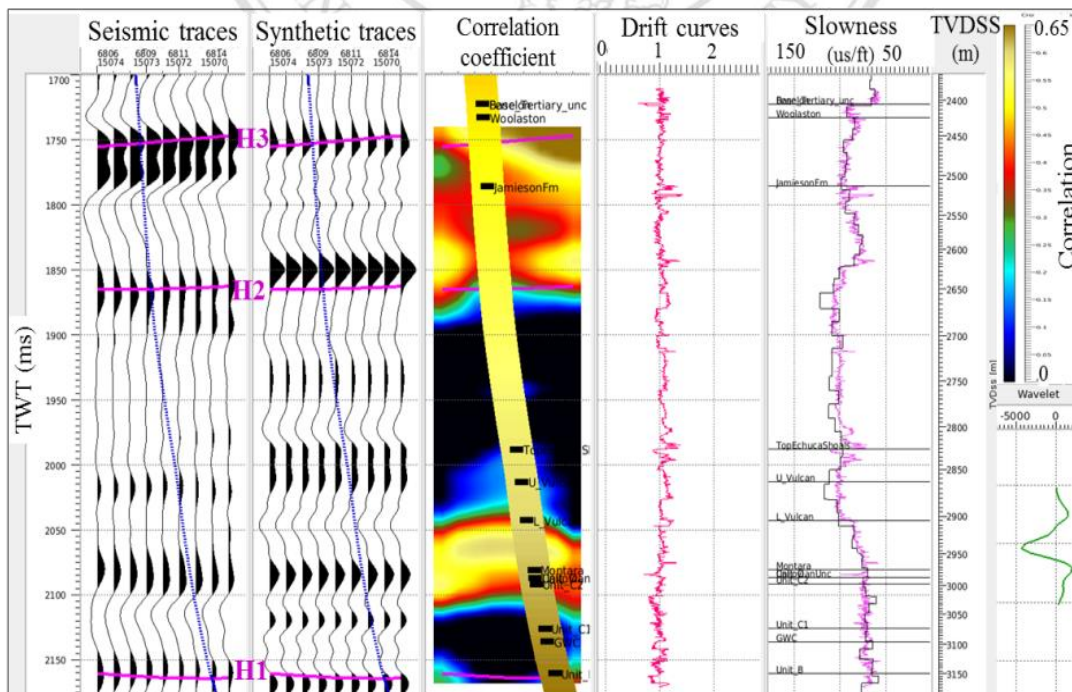


Figure B-3 Synthetic tie at Well-A showing the tie at far angle stacks.

Well-C : Near
Correlation coefficient: 0.450

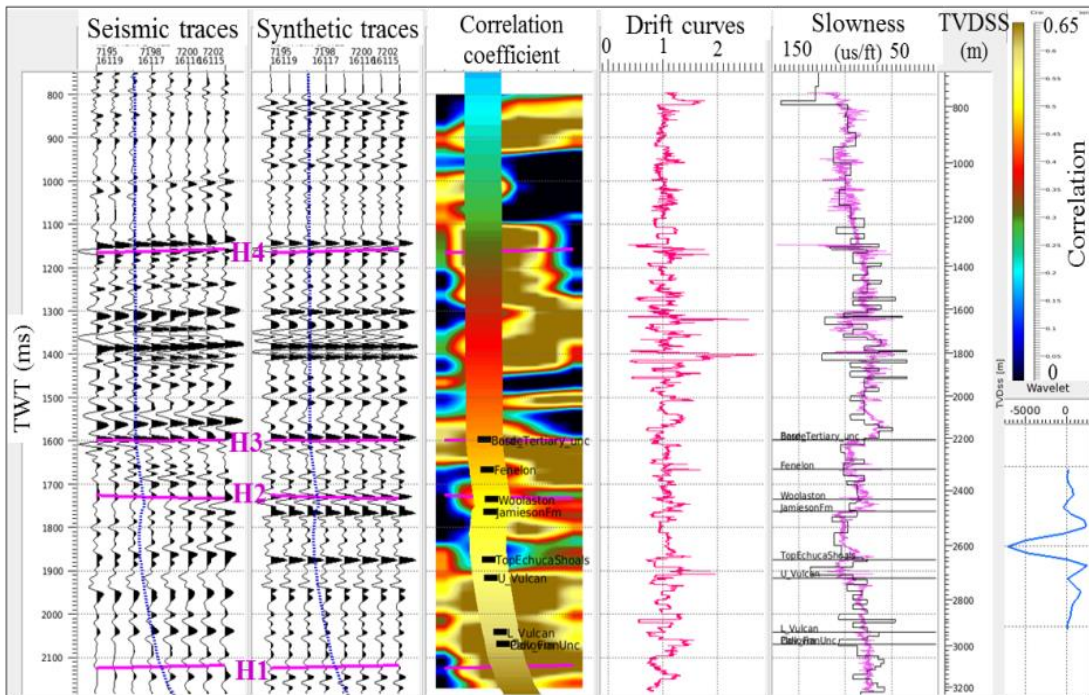


Figure B-4 Synthetic tie at Well-C showing the tie at near angle stacks.

Well-C : Mid
Correlation coefficient: 0.441

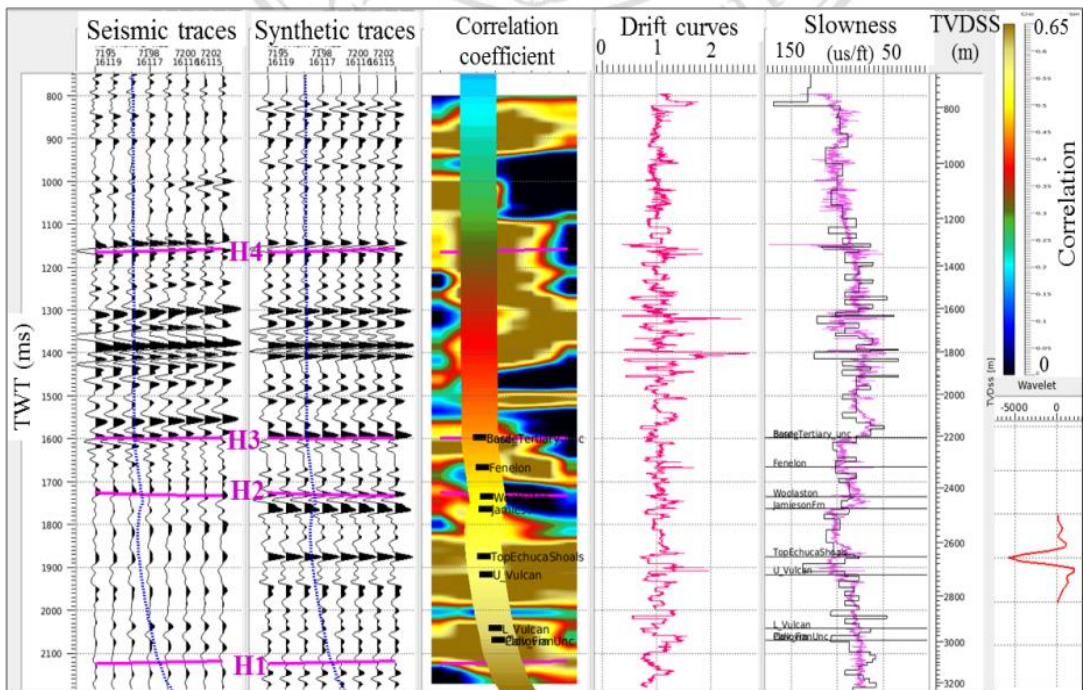


Figure B-5 Synthetic tie at Well-C showing the tie at mid angle stacks.

Well-C : Far
Correlation coefficient: 0.356

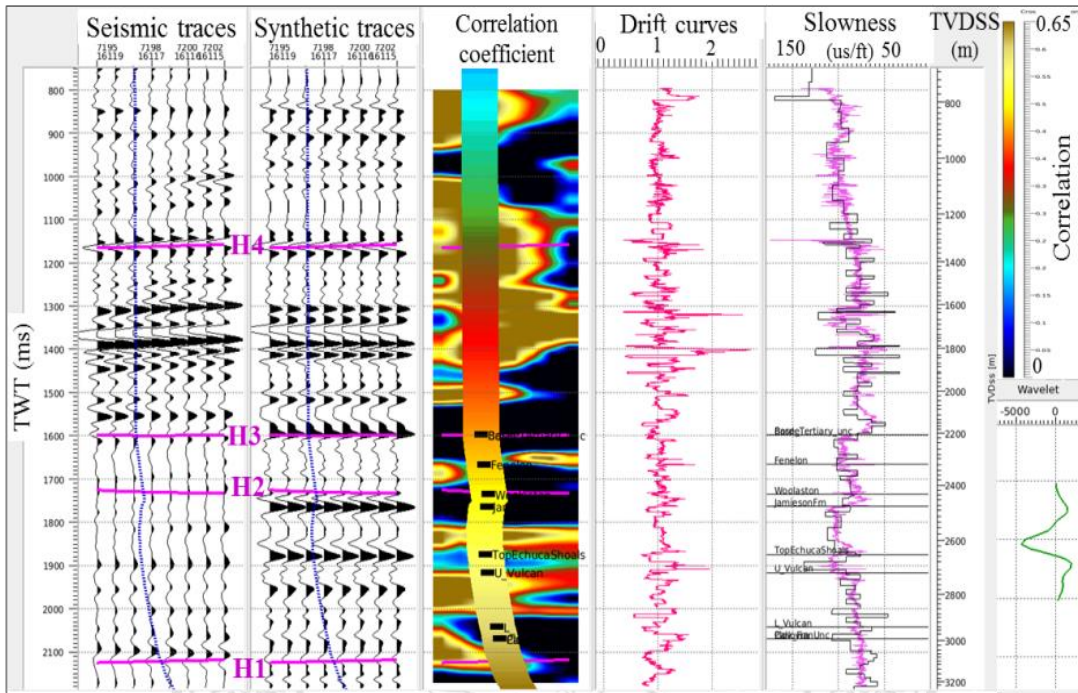


Figure B-6 Synthetic tie at Well-C showing the tie at far angle stacks.

Well-D : Near
Correlation coefficient: 0.424

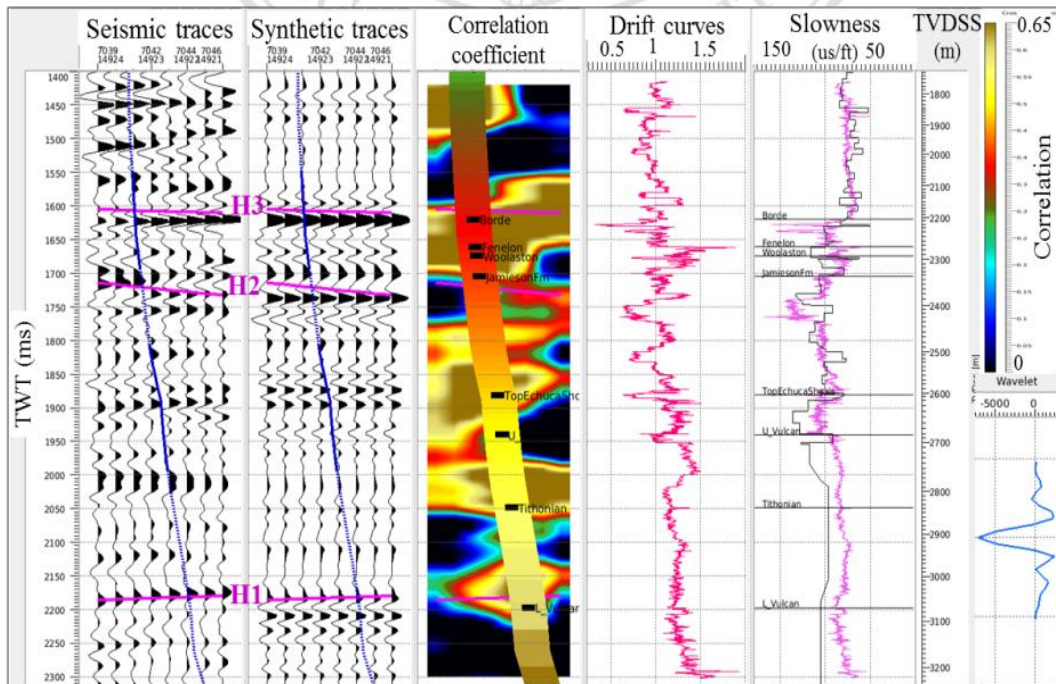


Figure B-7 Synthetic tie at Well-D showing the tie at near angle stacks.

Well-D : Mid
Correlation coefficient: 0.412

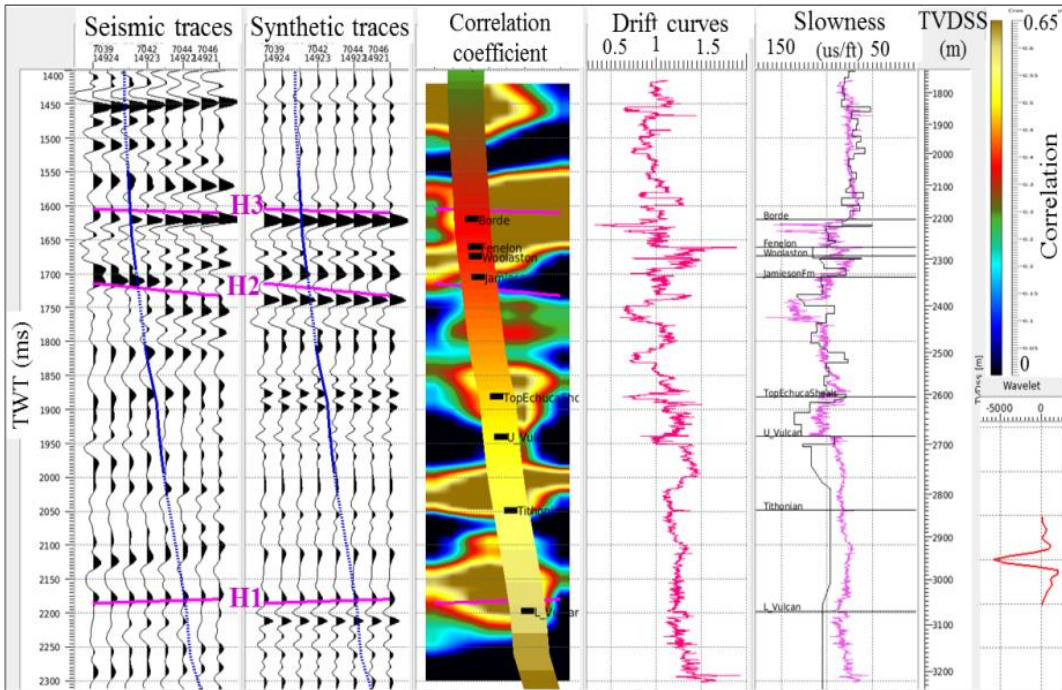


Figure B-8 Synthetic tie at Well-D showing the tie at mid angle stacks.

Well-D : Far
Correlation coefficient: 0.297

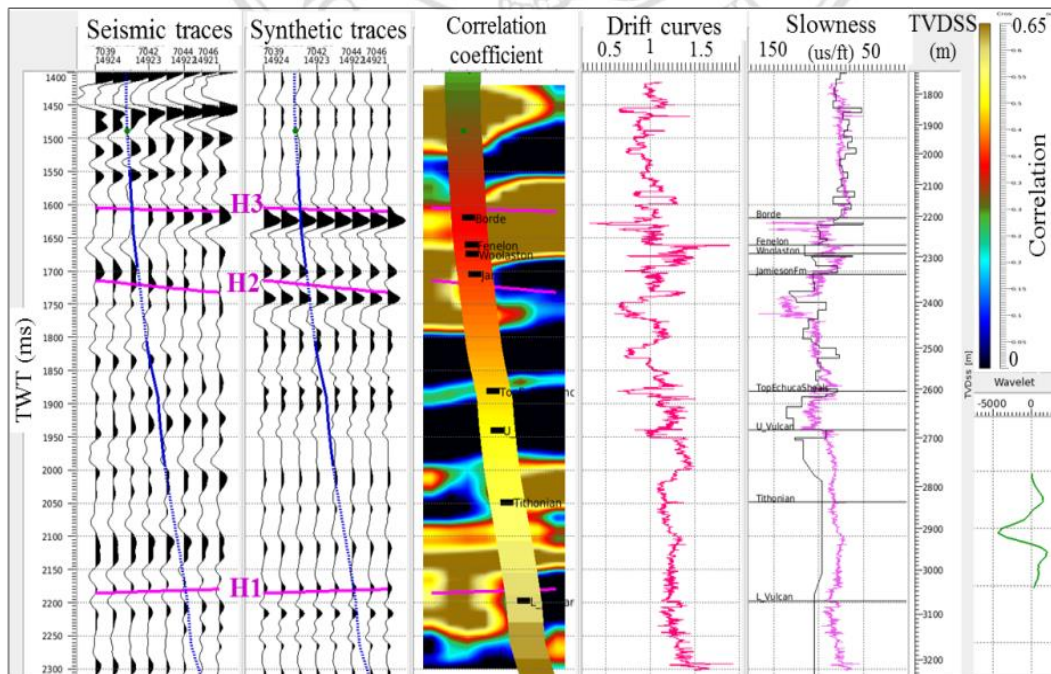


Figure B-9 Synthetic tie at Well-D showing the tie at far angle stacks.

APPENCIX C

Seismic Pre-Stack Simultaneous Inversion

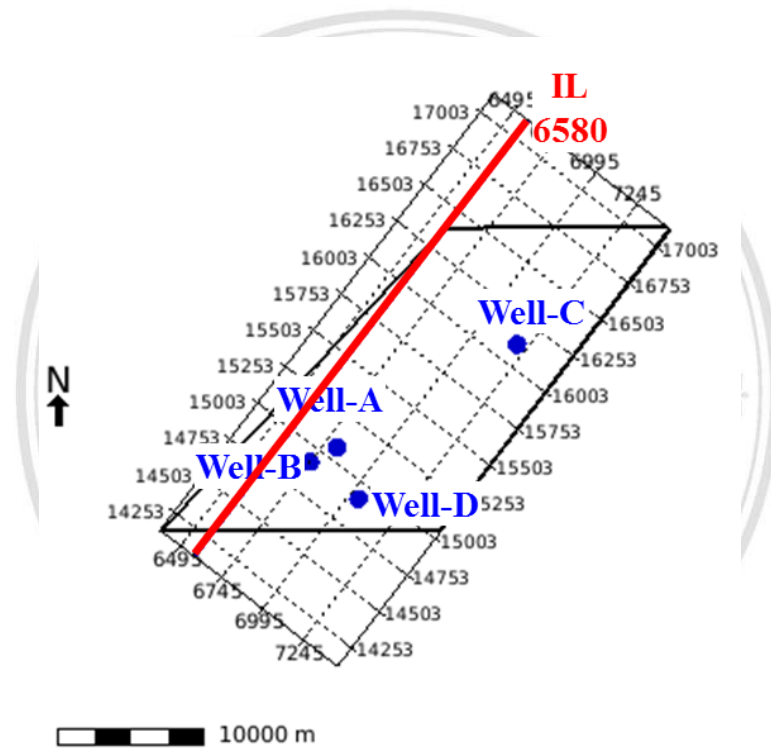
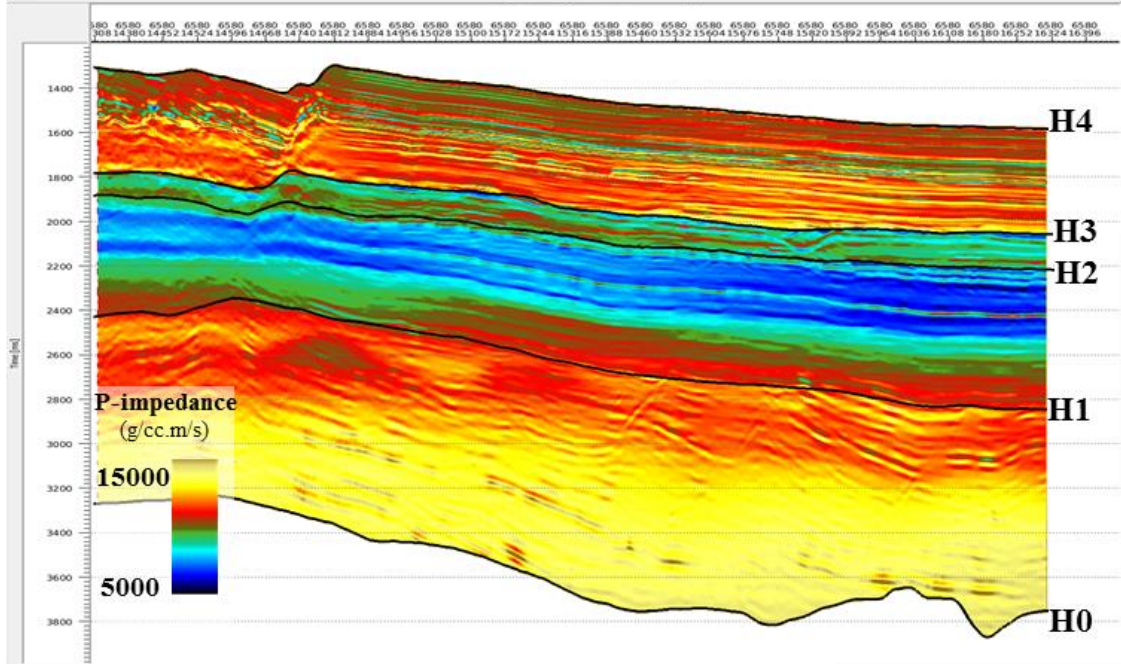


Figure C-1 Map location of inline 6580.

ลิขสิทธิ์ใหม่
Copyright © by Chiang Mai University
All rights reserved

Inverted Acoustic Impedance



Bandpass Inverted Acoustic Impedance

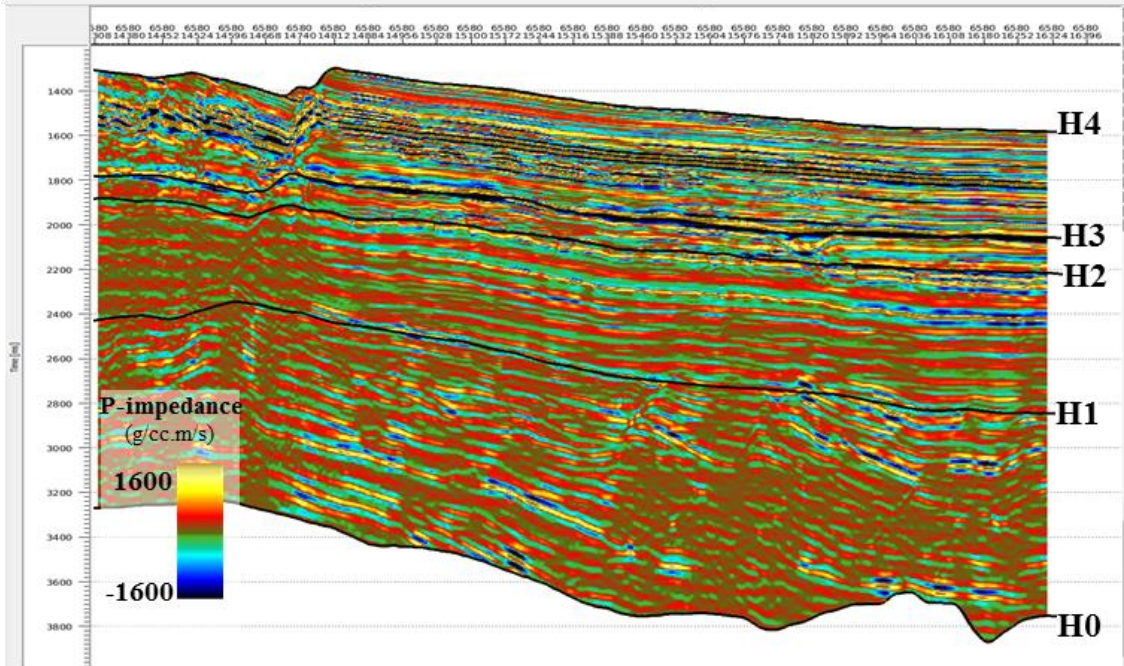


Figure C-2 Inline 6580 section of final absolute acoustic impedance (top) and bandpass filtering were applied to inverted acoustic impedance to create comparable relative inversion results (bottom).

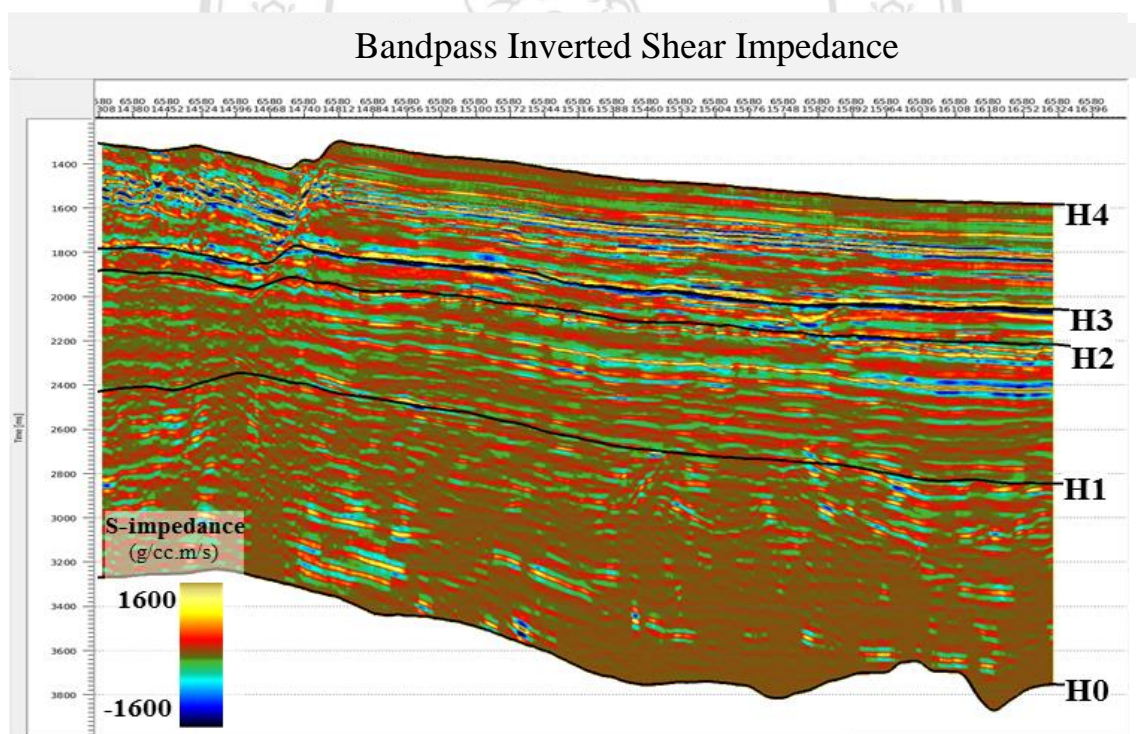
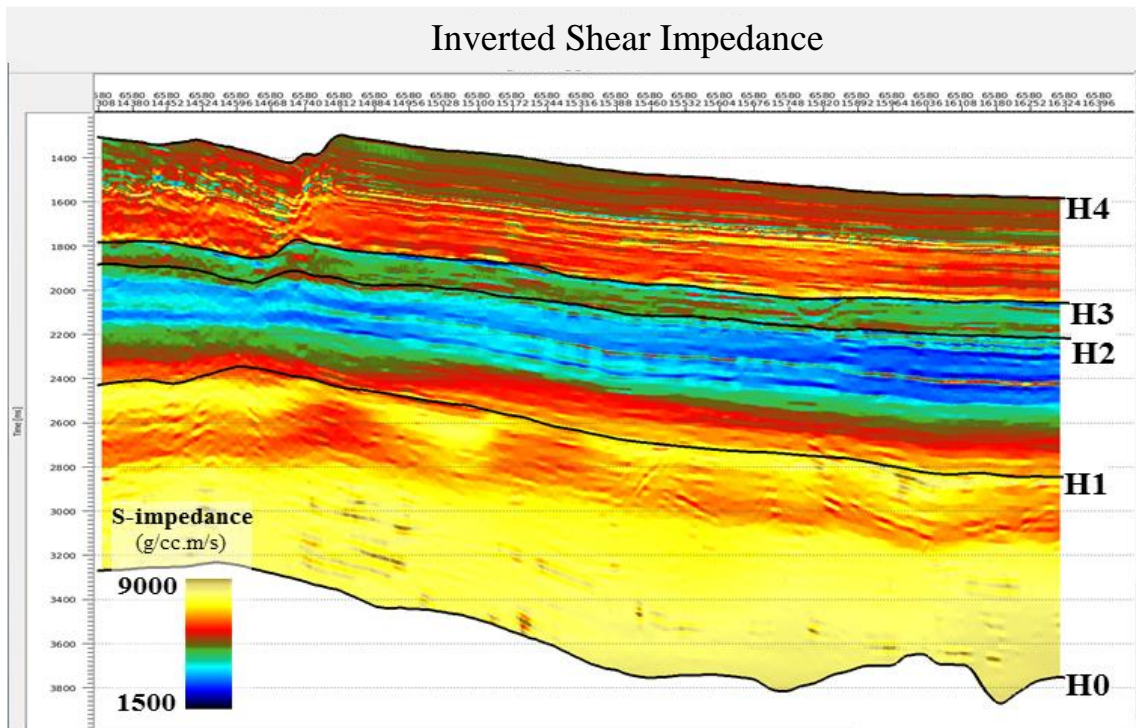


Figure C-3 Inline 6580 section of final absolute shear impedance (top) and bandpass filtering were applied to inverted shear impedance to create comparable relative inversion results (bottom).

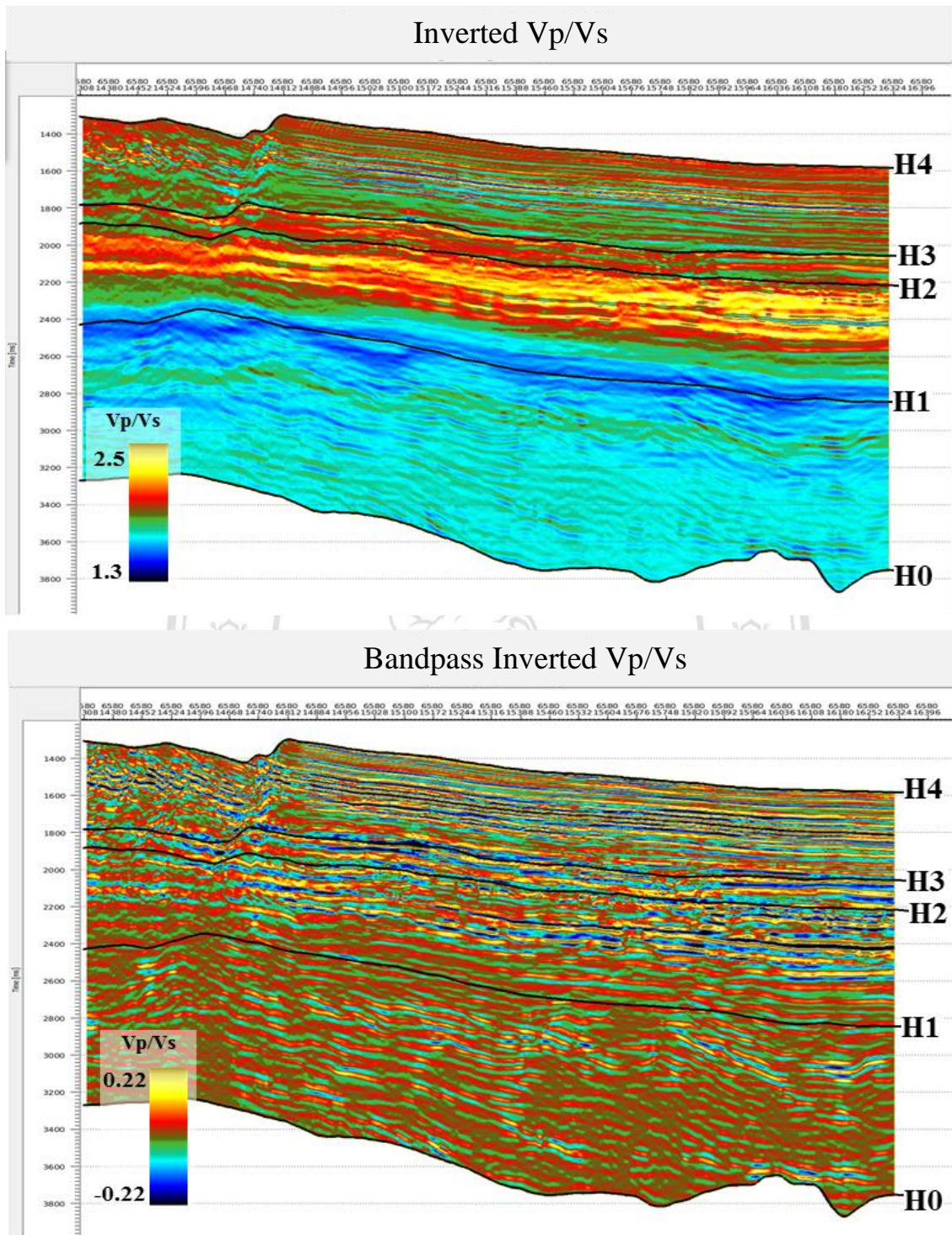


Figure C-4 Inline 6580 section of final Vp/Vs (top) and bandpass filtering were applied to inverted Vp/Vs to create comparable relative inversion results (bottom).

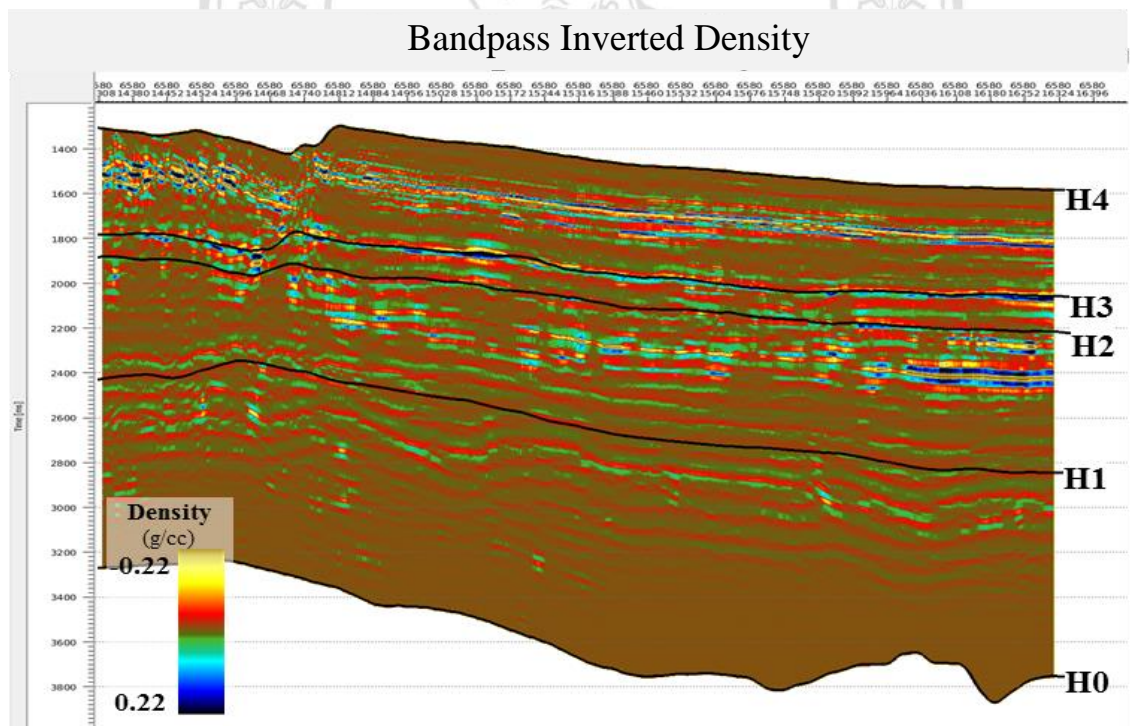
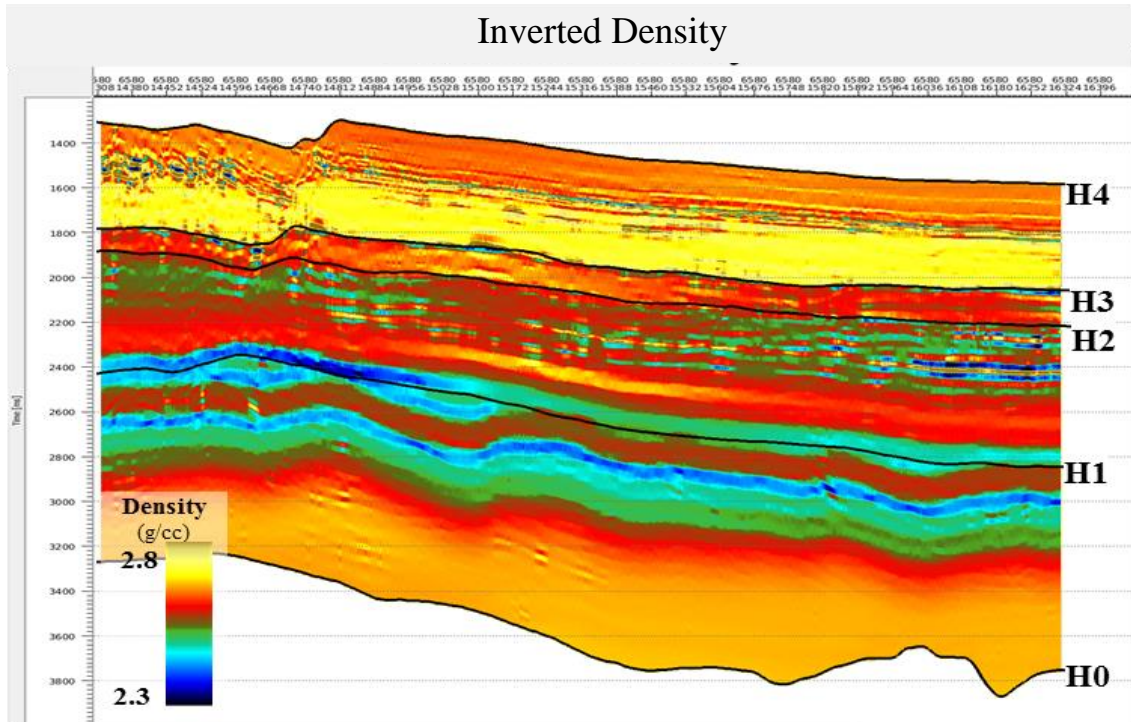


Figure C-5 Inline 6580 section of final density (top) and bandpass filtering were applied to inverted density to create comparable relative inversion results (bottom).

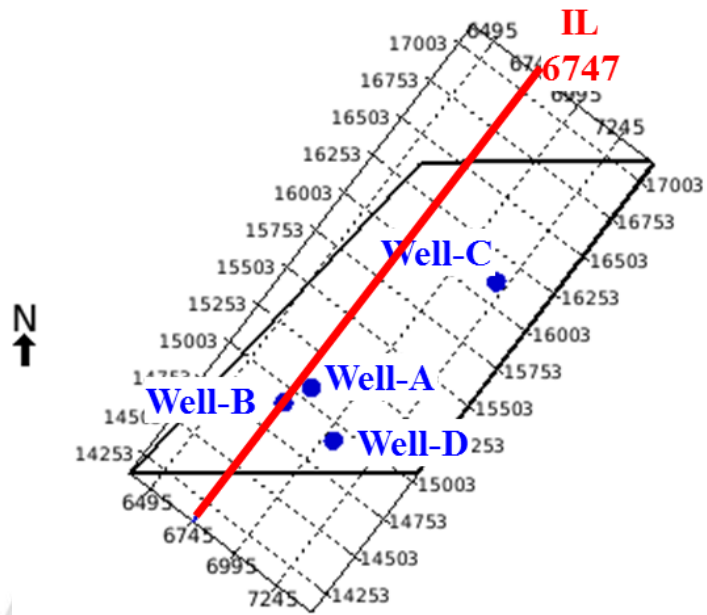
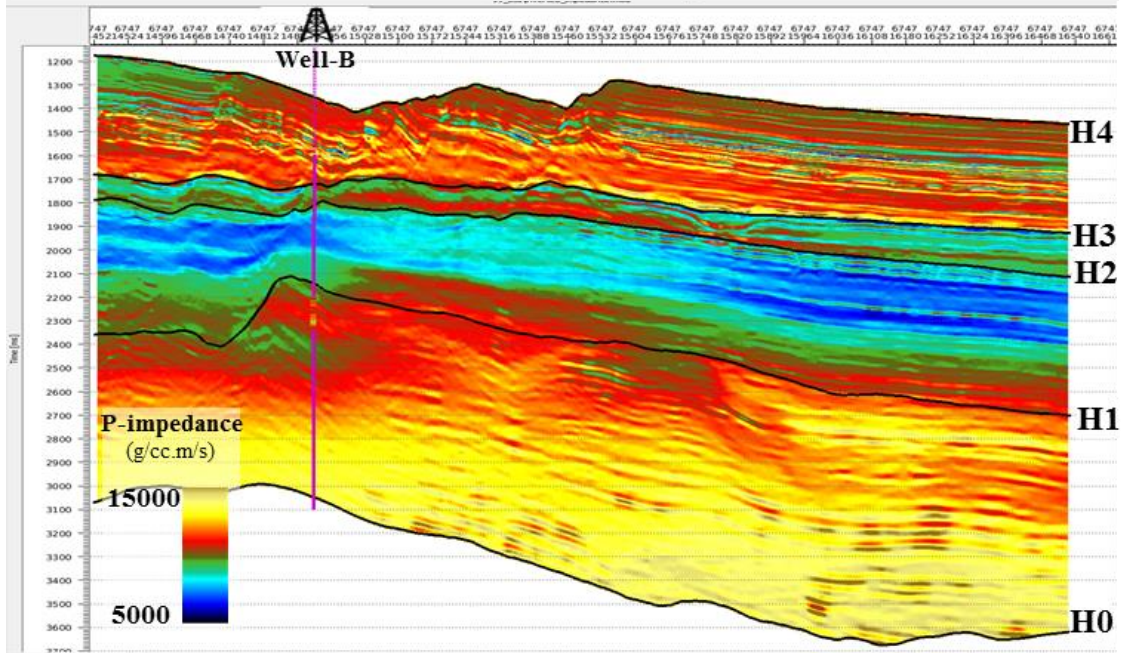


Figure C-6 Map location of inline 6747 that passed through Well-B location.

ลิขสิทธิ์มหาวิทยาลัยเชียงใหม่
 Copyright© by Chiang Mai University
 All rights reserved

Inverted Acoustic Impedance



Bandpass Inverted Acoustic Impedance

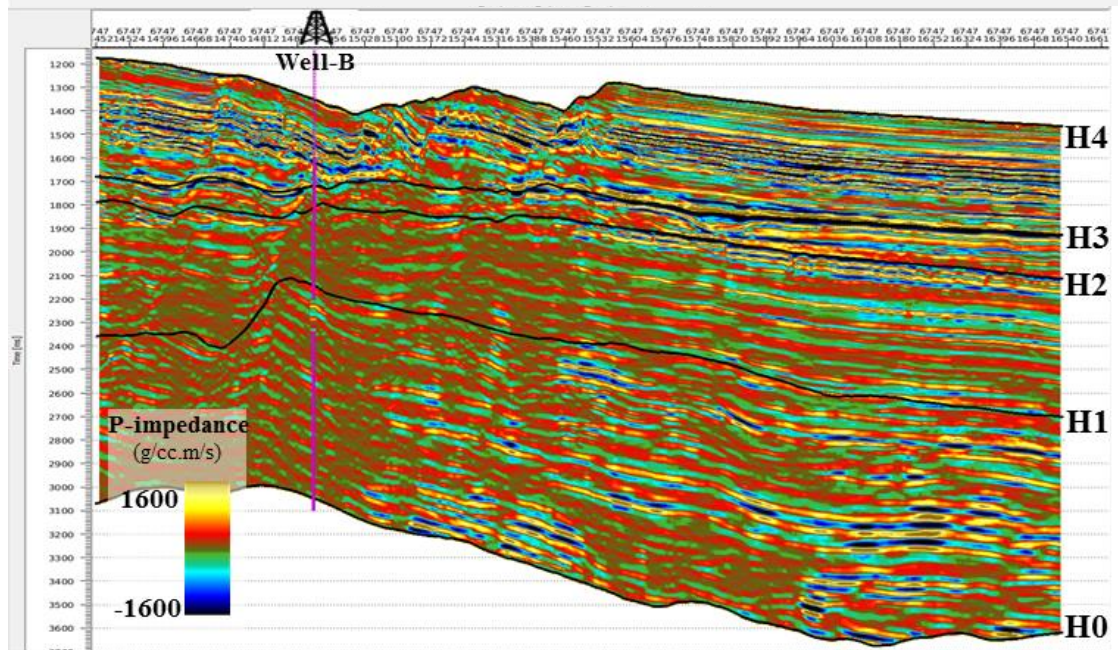


Figure C-7 Inline 6747 section of final absolute acoustic impedance comparing with acoustic impedance logs at Well-B (top). Bandpass filtering were applied to both inverted acoustic impedance and well data to create comparable relative inversion results (bottom).

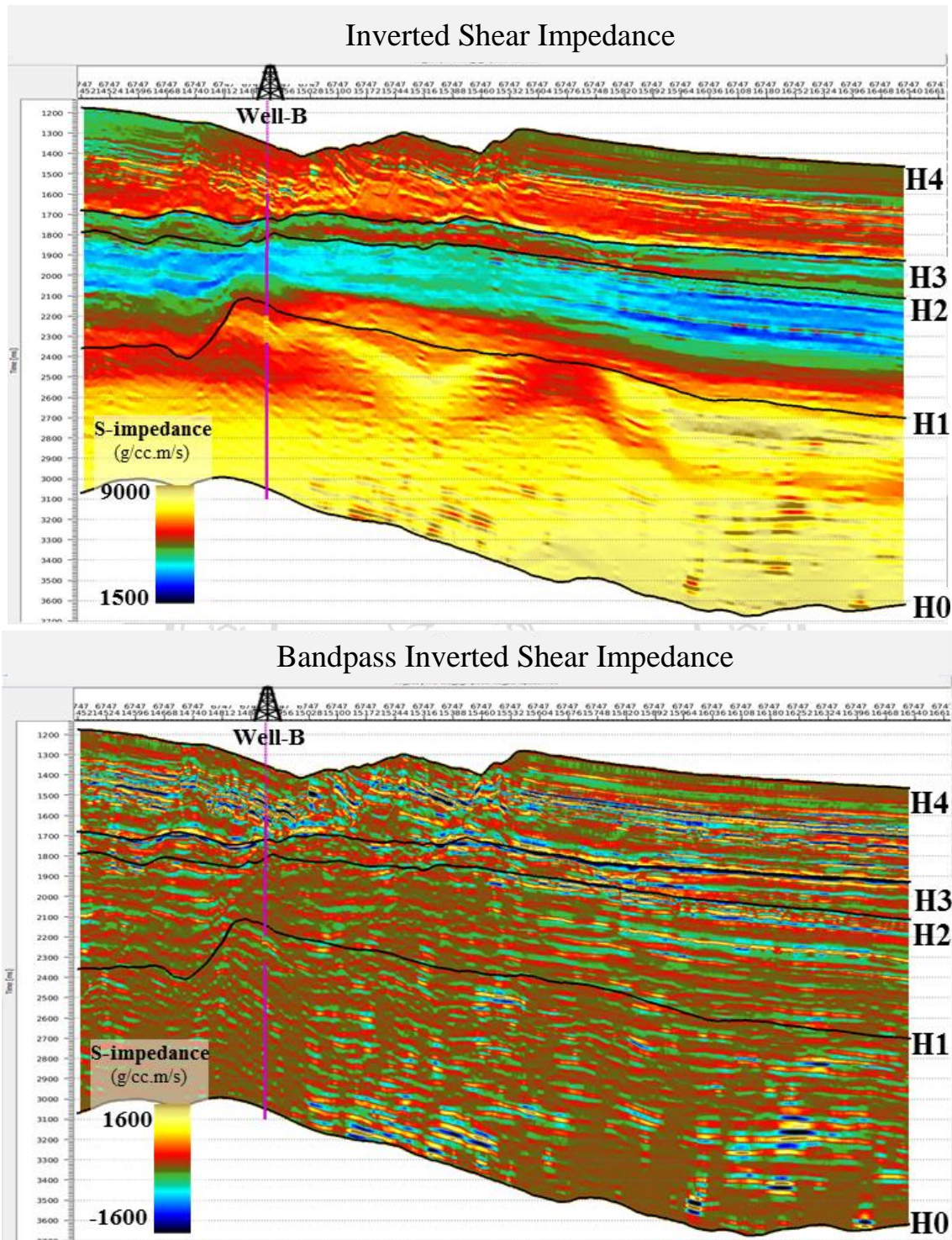


Figure C-8 Inline 6747 section of final absolute shear impedance comparing with shear impedance logs at Well-B (top). Bandpass filtering were applied to both inverted shear impedance and well data to create comparable relative inversion results (bottom).

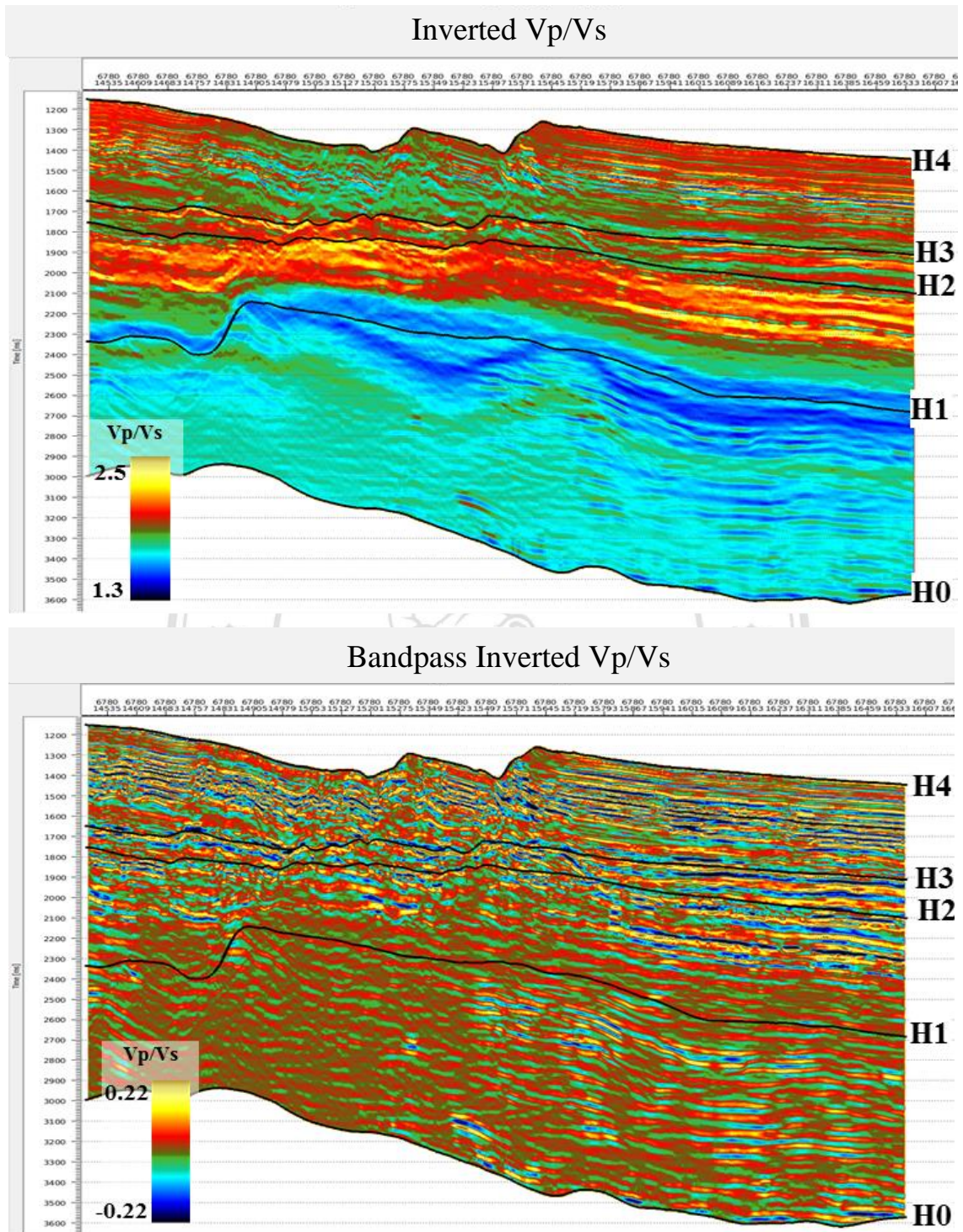


Figure C-9 Inline 6747 section of final absolute Vp/Vs comparing with Vp/Vs logs at Well-B (top). Bandpass filtering were applied to both inverted Vp/Vs and well data to create comparable relative inversion results (bottom).

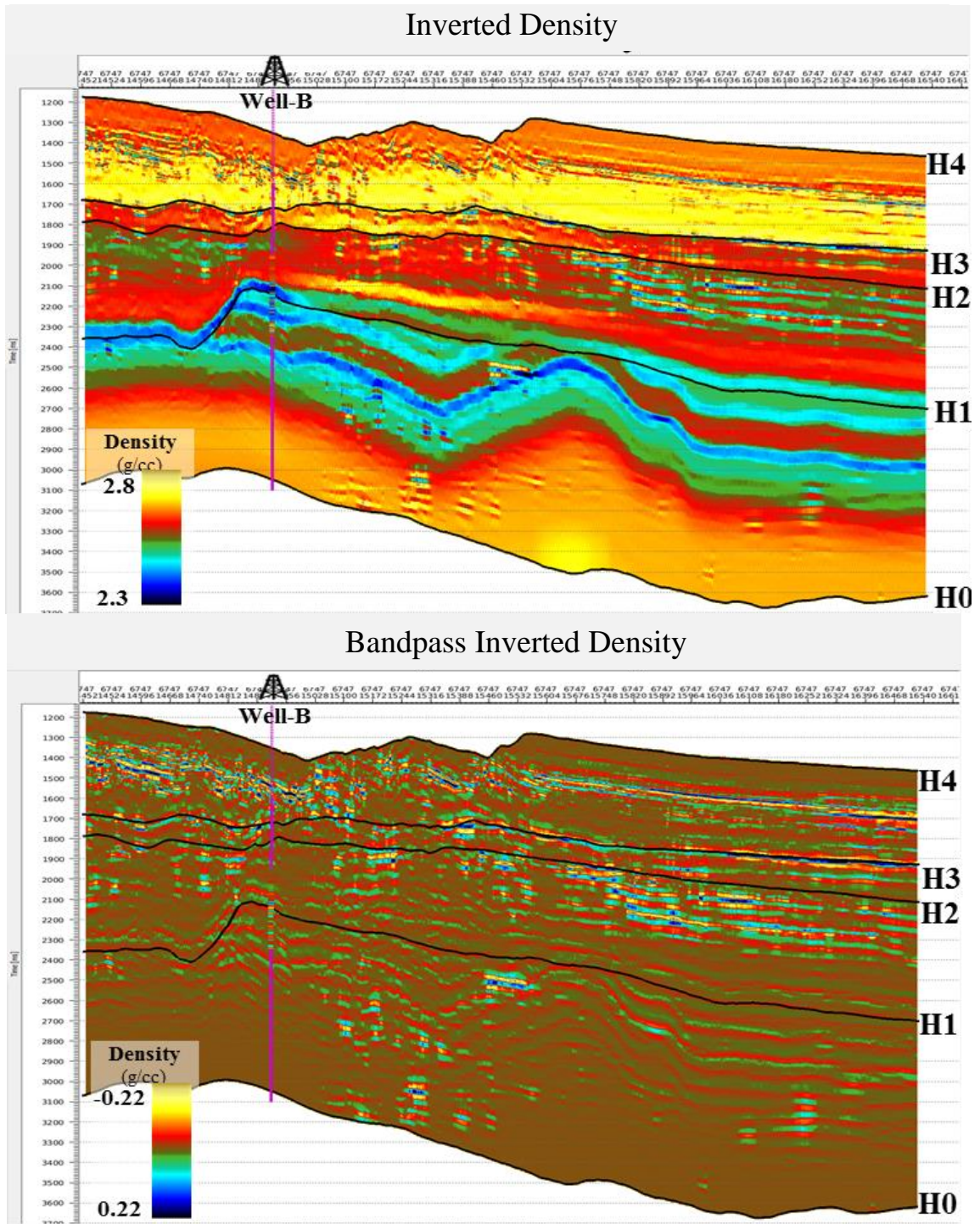


Figure C-10 Inline 6747 section of final absolute density comparing with density logs at Well-B (top). Bandpass filtering were applied to both inverted density and well data to create comparable relative inversion results (bottom).

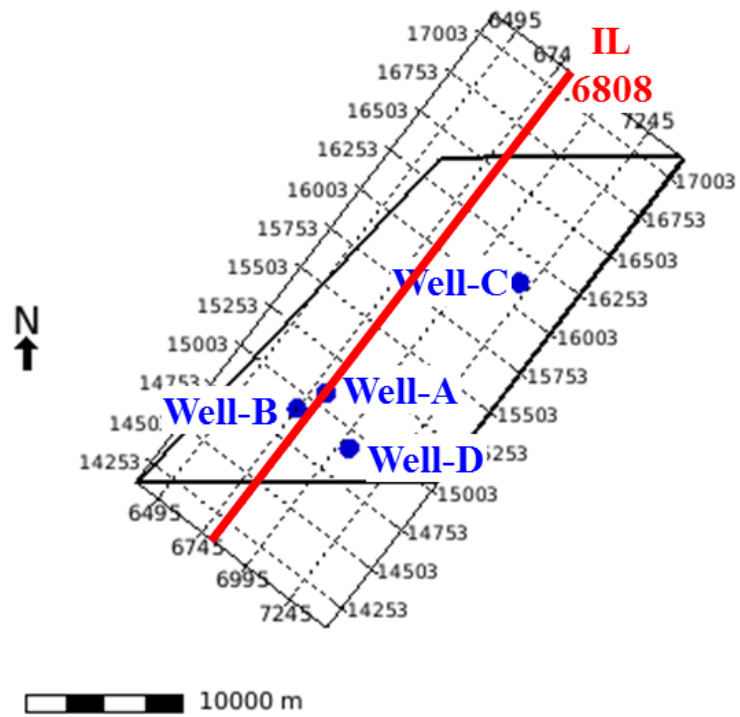


Figure C-11 Map location of inline 6808 that passed through Well-A location.

ลิขสิทธิ์มหาวิทยาลัยเชียงใหม่
 Copyright© by Chiang Mai University
 All rights reserved

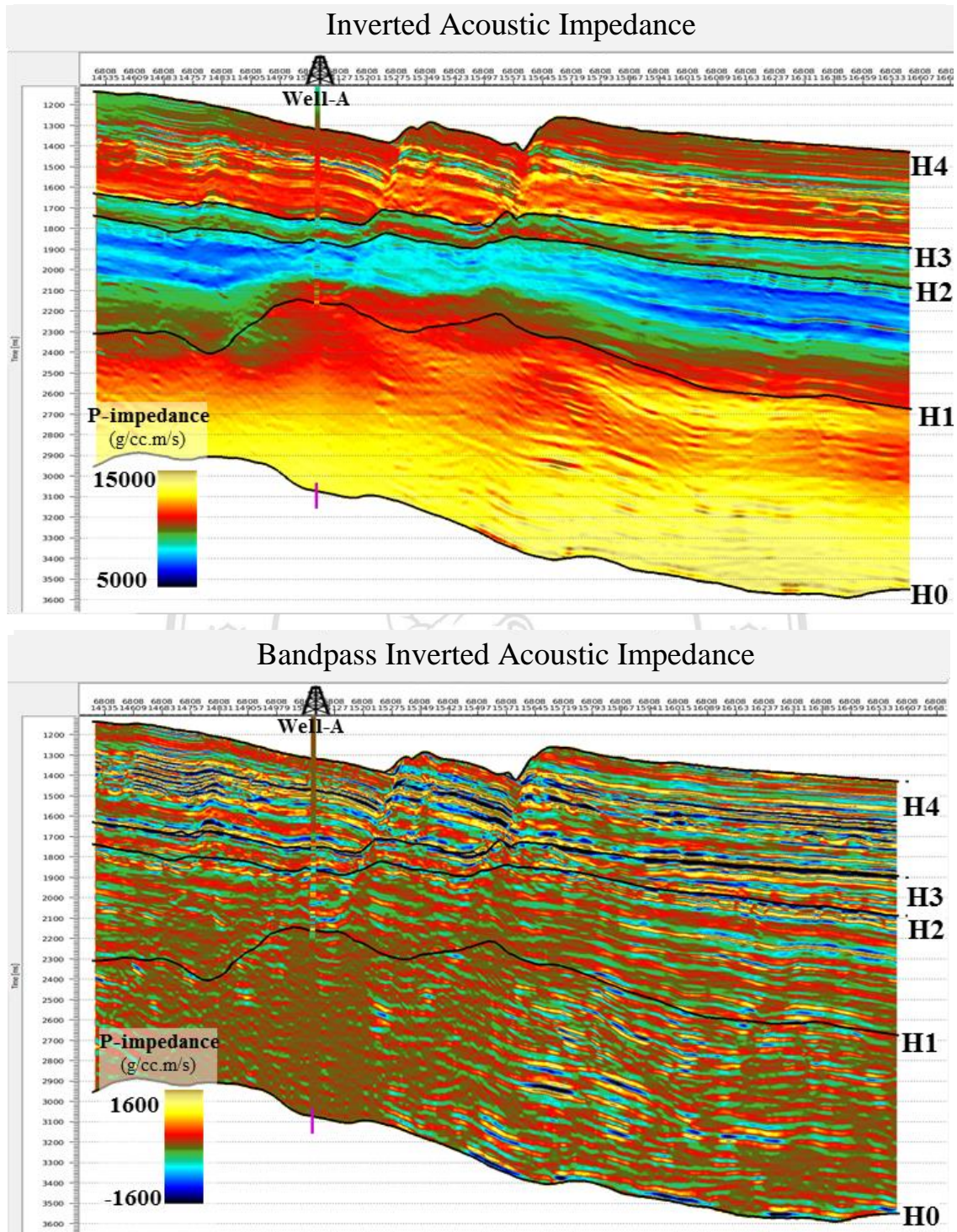


Figure C-12 Inline 6808 section of final absolute acoustic impedance comparing with acoustic impedance logs at Well-A (top). Bandpass filtering were applied to both inverted acoustic impedance and well data to create comparable relative inversion results (bottom).

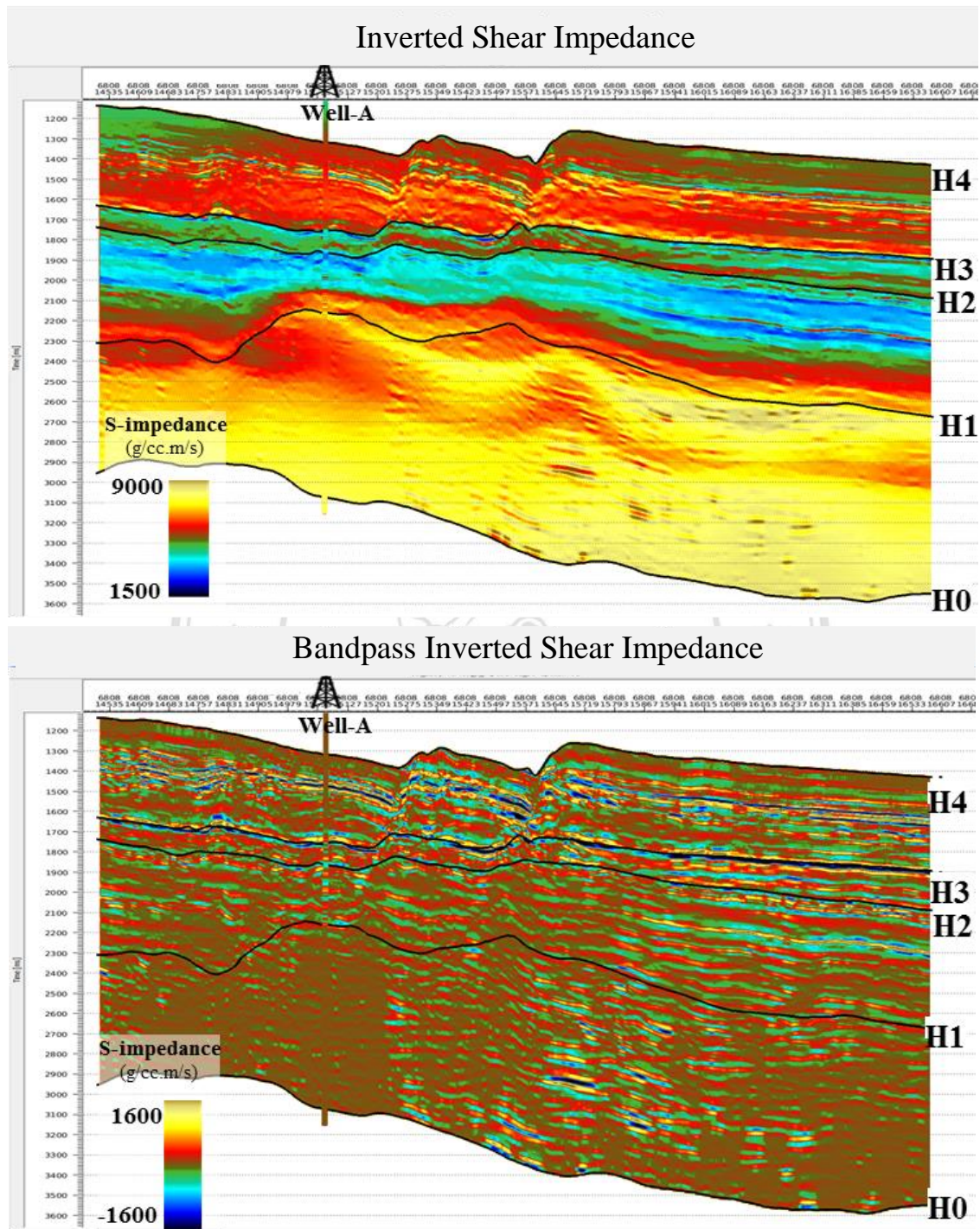


Figure C-13 Inline 6808 section of final absolute shear impedance comparing with shear impedance logs at Well-A (top). Bandpass filtering were applied to both inverted shear impedance and well data to create comparable relative inversion results (bottom).

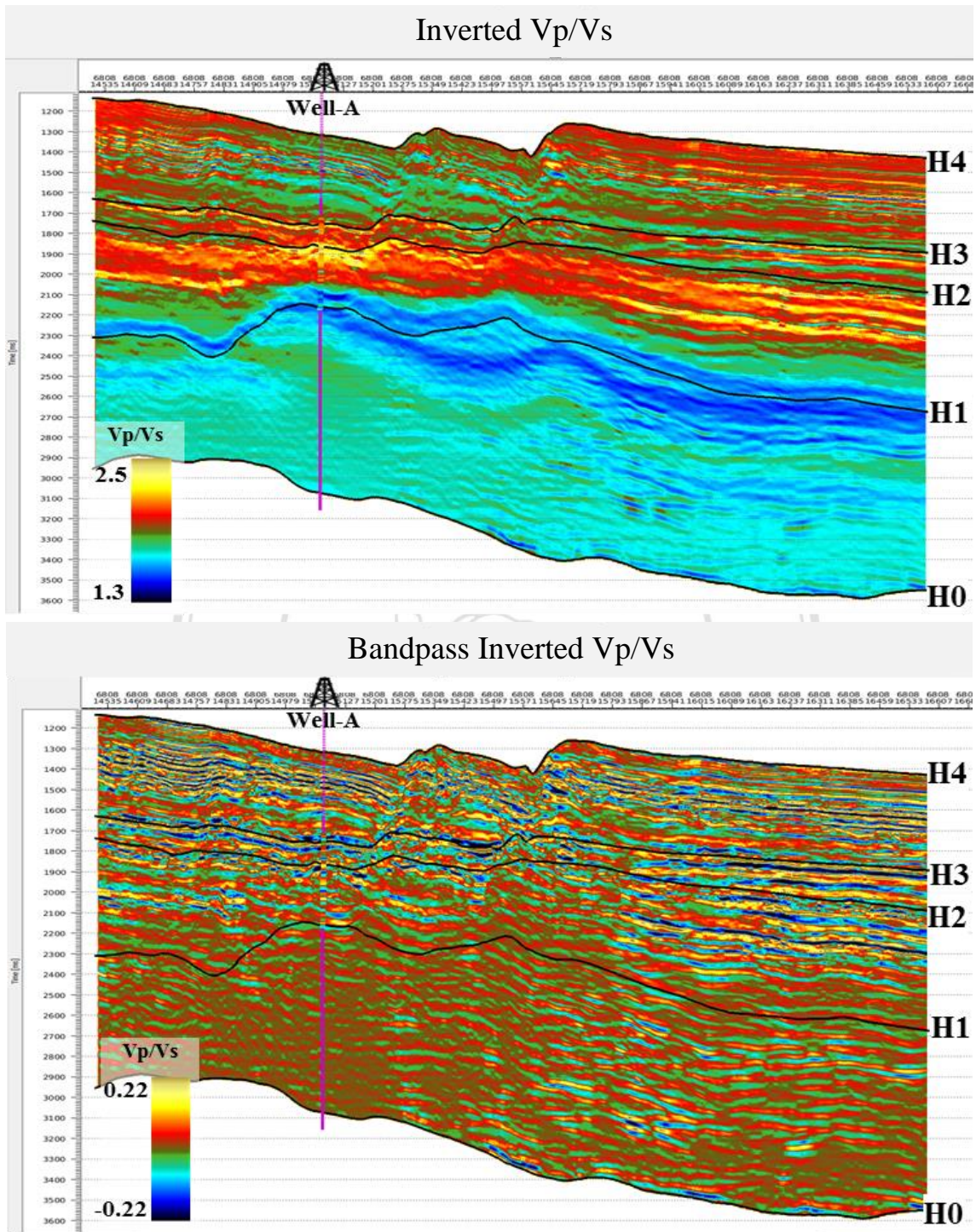


Figure C-14 Inline 6808 section of final absolute Vp/Vs comparing with Vp/Vs logs at Well-A (top). Bandpass filtering were applied to both inverted Vp/Vs and well data to create comparable relative inversion results (bottom).

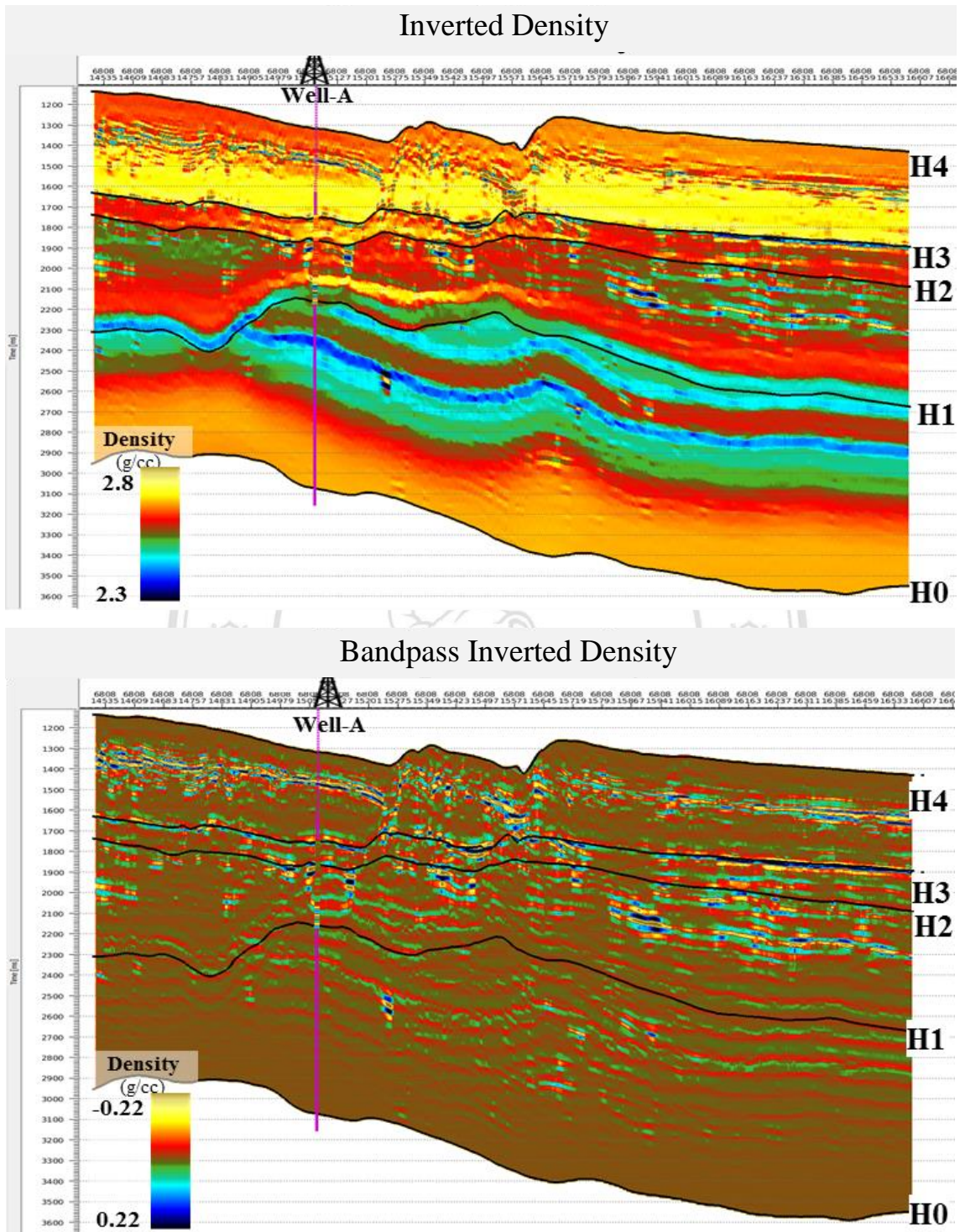


Figure C-15 Inline 6808 section of final absolute density comparing with density logs at Well-A (top). Bandpass filtering were applied to both inverted density and well data to create comparable relative inversion results (bottom).

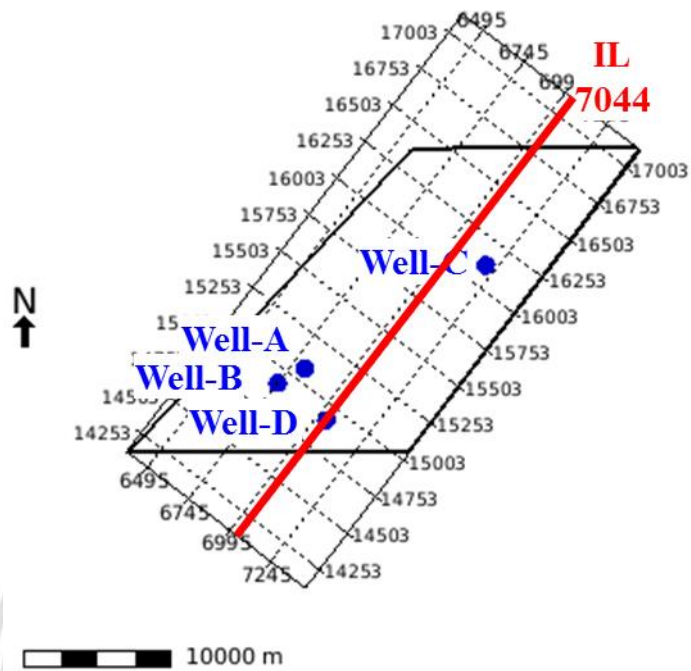


Figure C-16 Map location of inline 7044 that passed through Well-D location.

ลิขสิทธิ์มหาวิทยาลัยเชียงใหม่
 Copyright© by Chiang Mai University
 All rights reserved

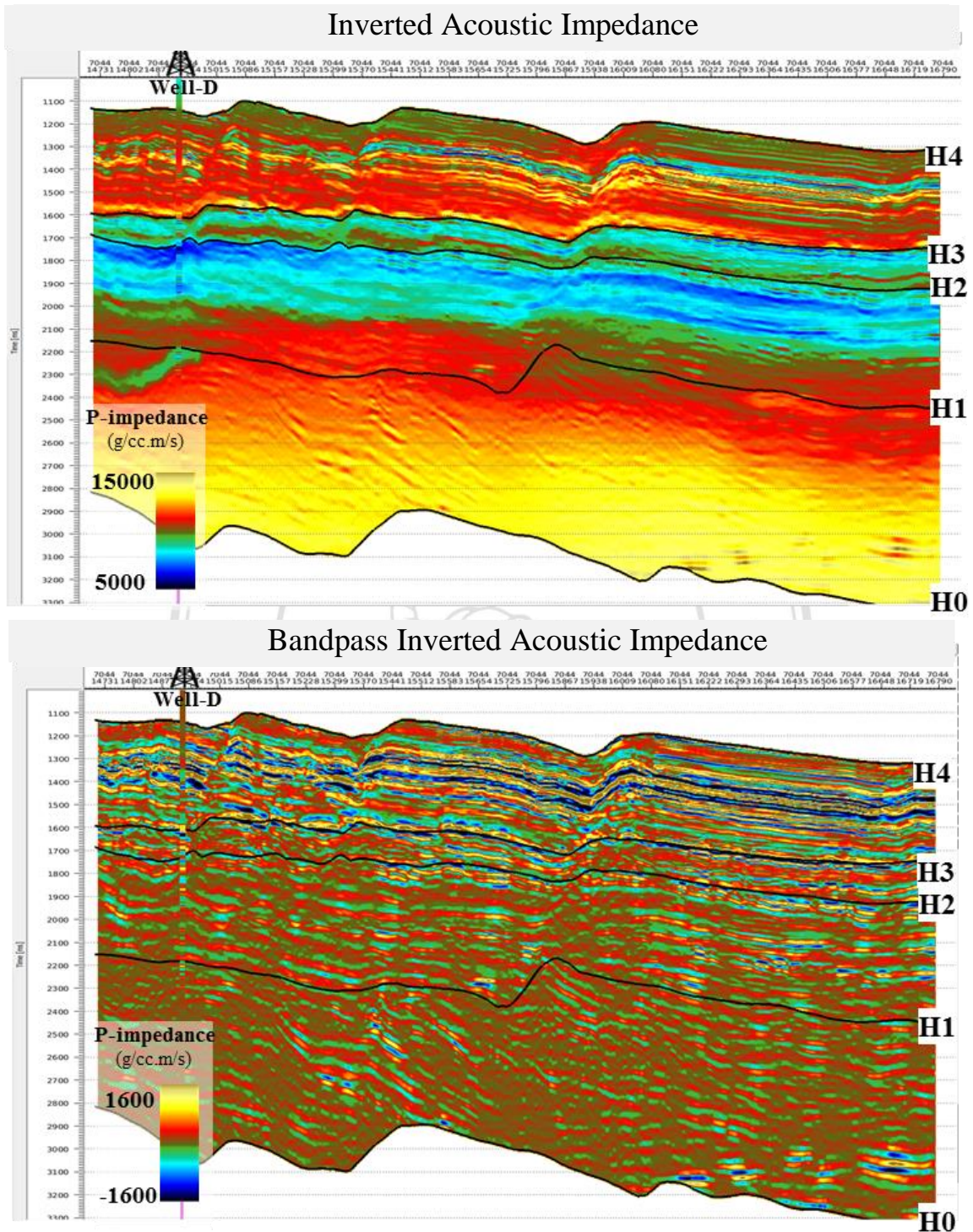


Figure C-17 Inline 7044 section of final absolute acoustic impedance comparing with acoustic impedance logs at Well-D (top). Bandpass filtering were applied to both inverted acoustic impedance and well data to create comparable relative inversion results (bottom).

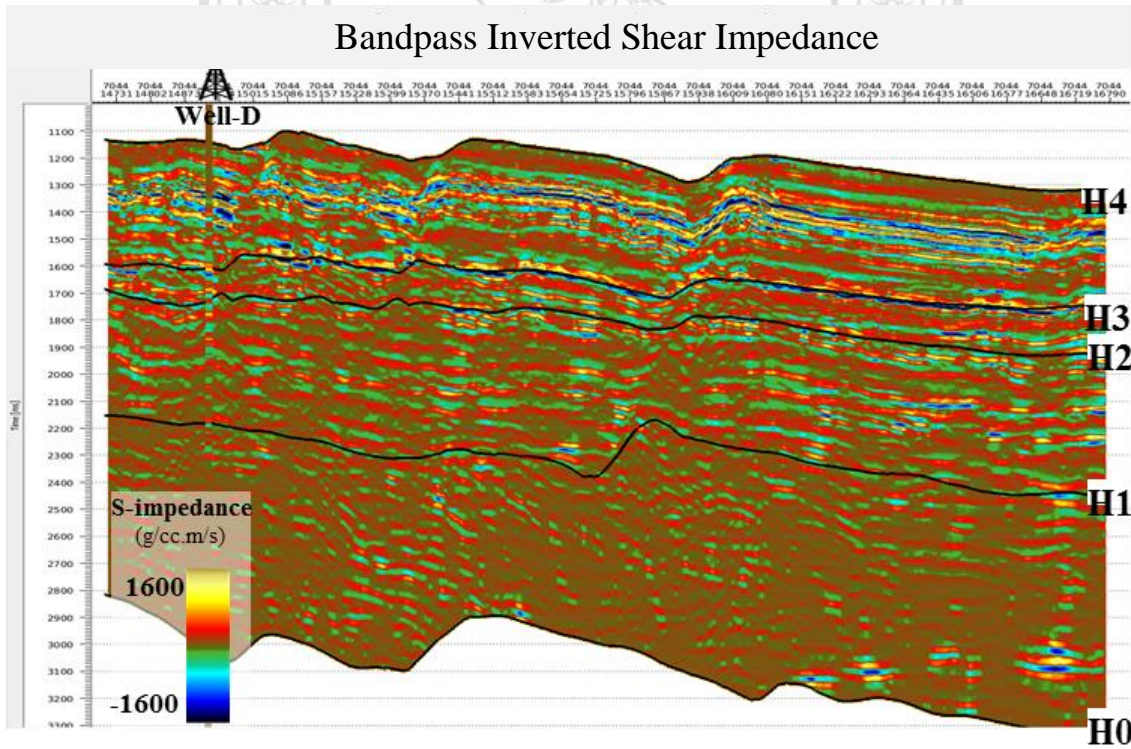
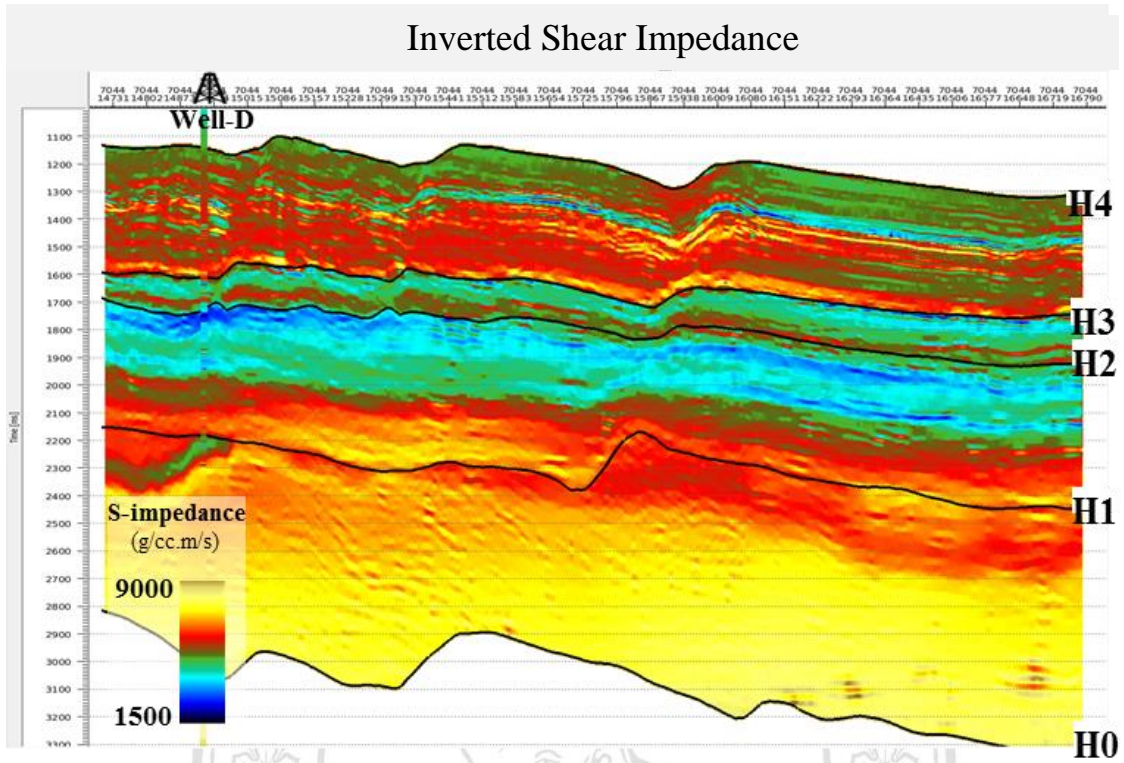


Figure C-18 Inline 7044 section of final absolute shear impedance comparing with shear impedance logs at Well-D (top). Bandpass filtering were applied to both inverted shear impedance and well data to create comparable relative inversion results (bottom).

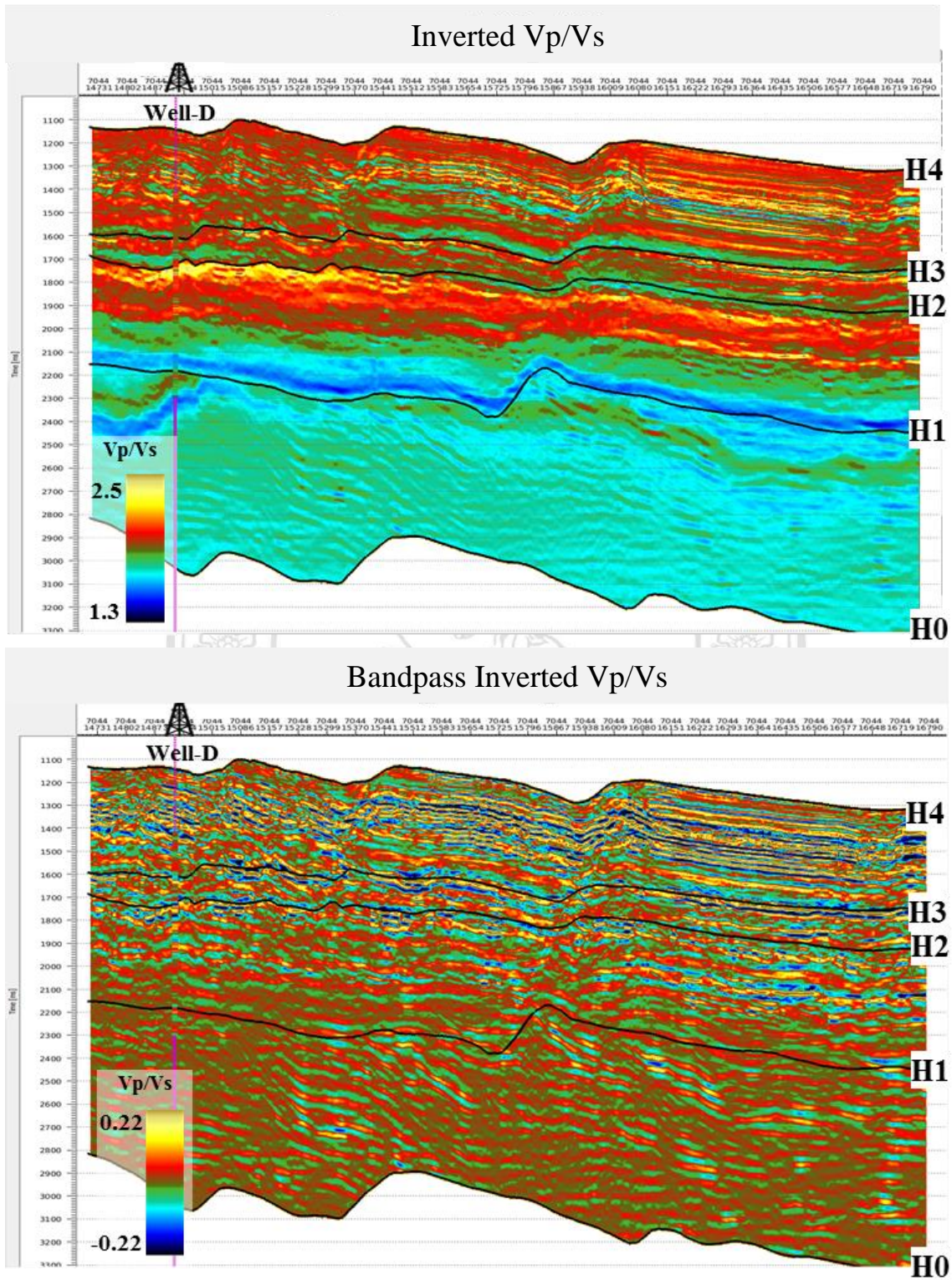


Figure C-19 Inline 7044 section of final absolute Vp/Vs comparing with Vp/Vs logs at Well-D (top). Bandpass filtering were applied to both inverted Vp/Vs and well data to create comparable relative inversion results (bottom).

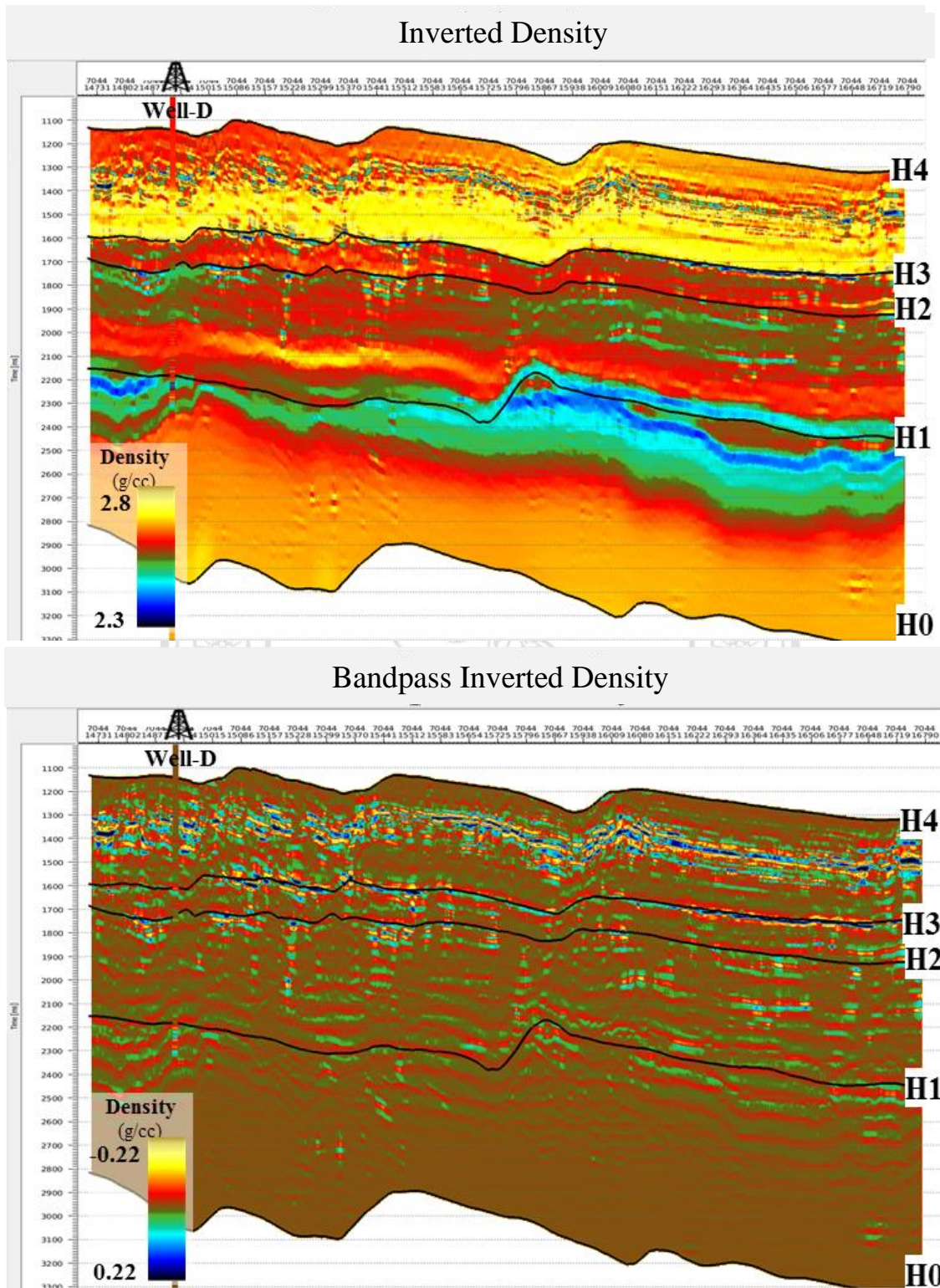


Figure C-20 Inline 7044 section of final absolute density comparing with density logs at Well-D (top). Bandpass filtering were applied to both inverted density and well data to create comparable relative inversion results (bottom).

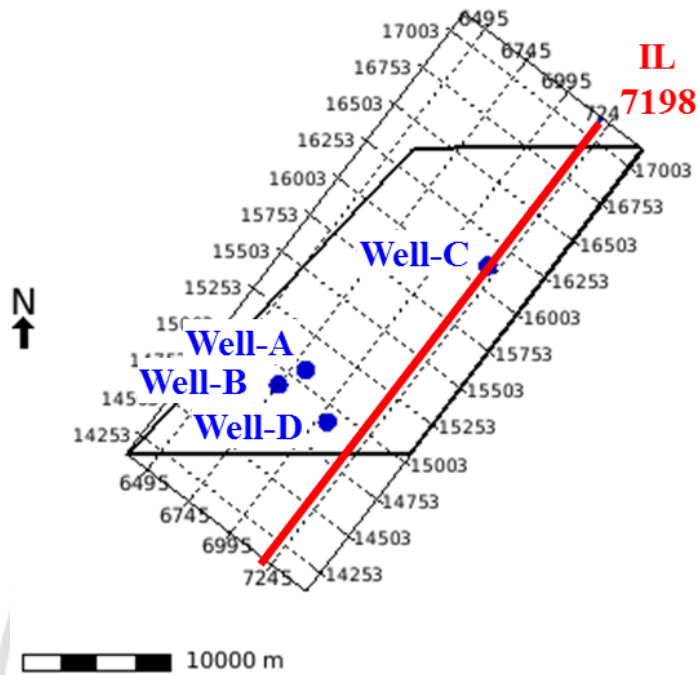


Figure C-21 Map location of inline 7198 that passed through Well-C location.

ลิขสิทธิ์มหาวิทยาลัยเชียงใหม่
 Copyright© by Chiang Mai University
 All rights reserved

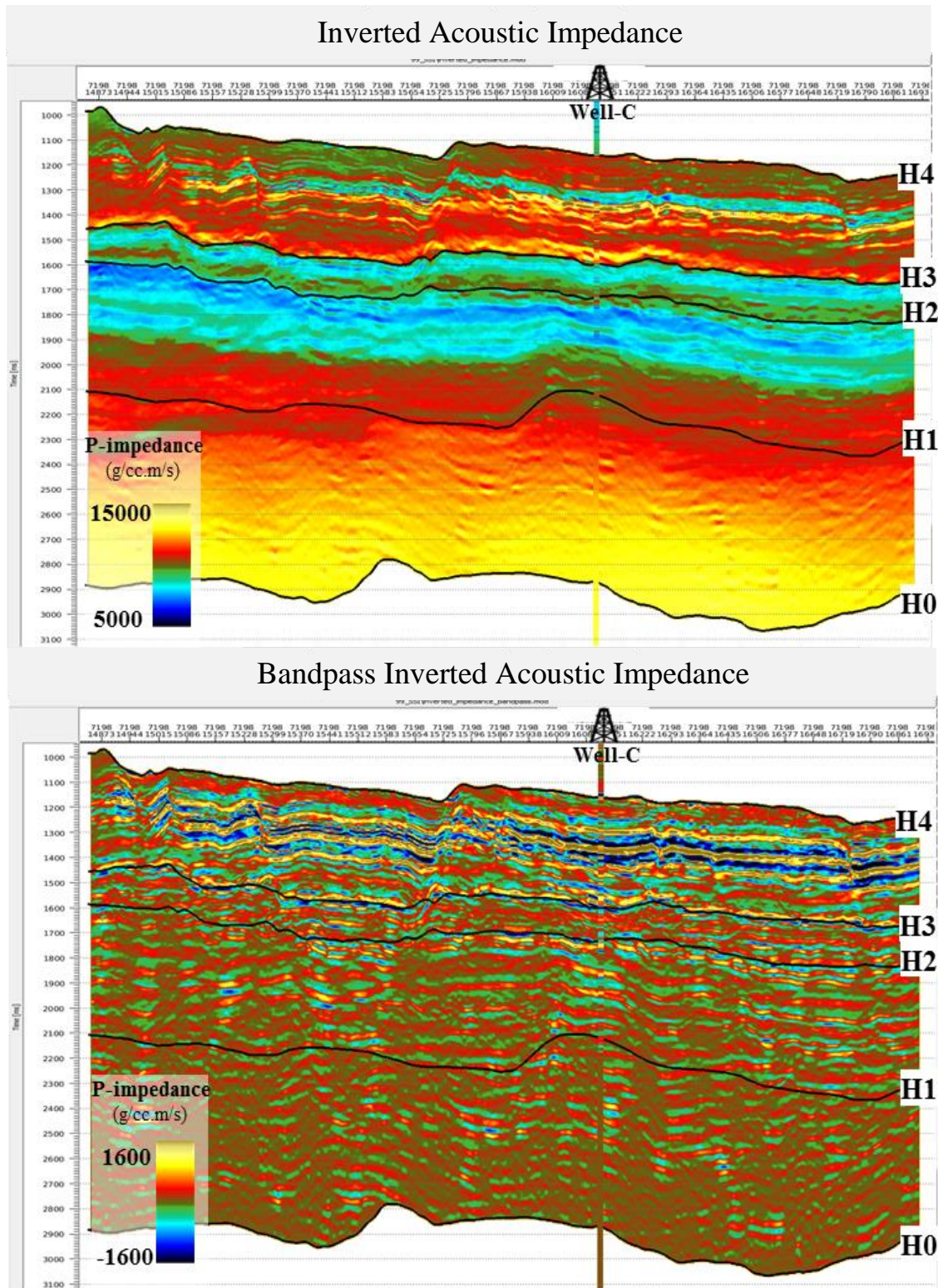


Figure C-22 Inline 7198 section of final absolute acoustic impedance comparing with acoustic impedance logs at Well-C (top). Bandpass filtering were applied to both inverted acoustic impedance and well data to create comparable relative inversion results (bottom).

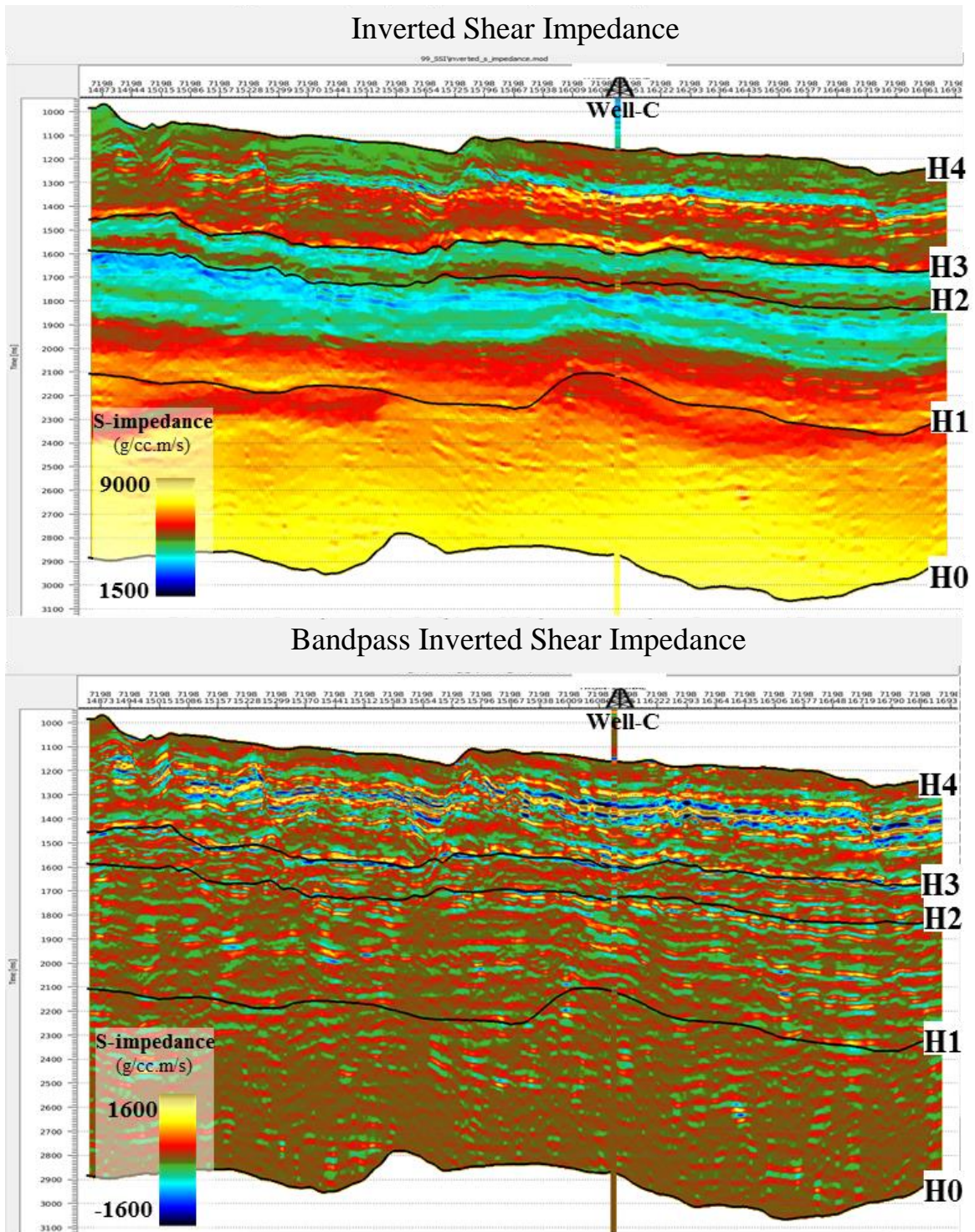


Figure C-23 Inline 7198 section of final absolute shear impedance comparing with shear impedance logs at Well-C (top). Bandpass filtering were applied to both inverted shear impedance and well data to create comparable relative inversion results (bottom).

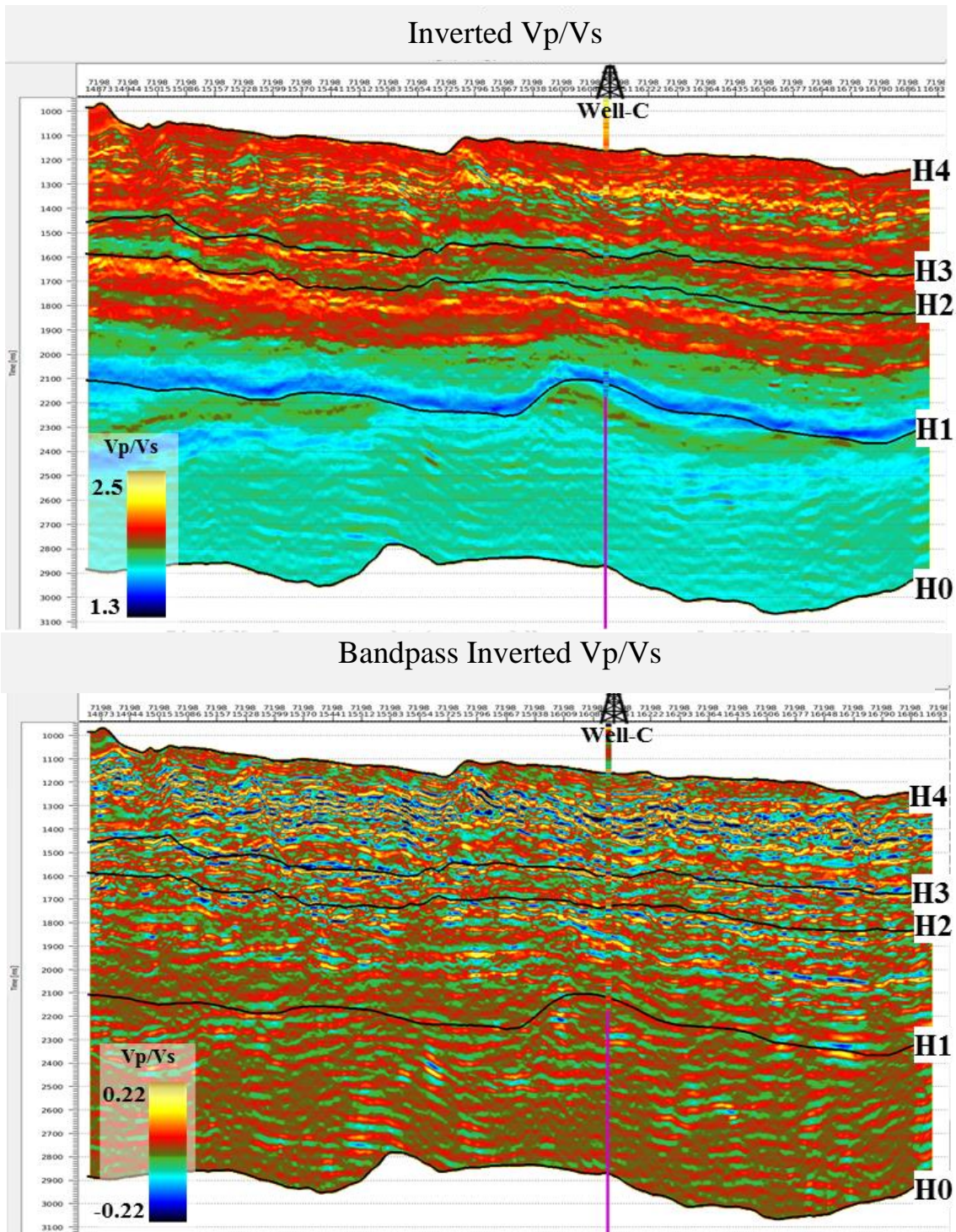


Figure C-24 Inline 7198 section of final absolute Vp/Vs comparing with Vp/Vs logs at Well-C (top). Bandpass filtering were applied to both inverted Vp/Vs and well data to create comparable relative inversion results (bottom).

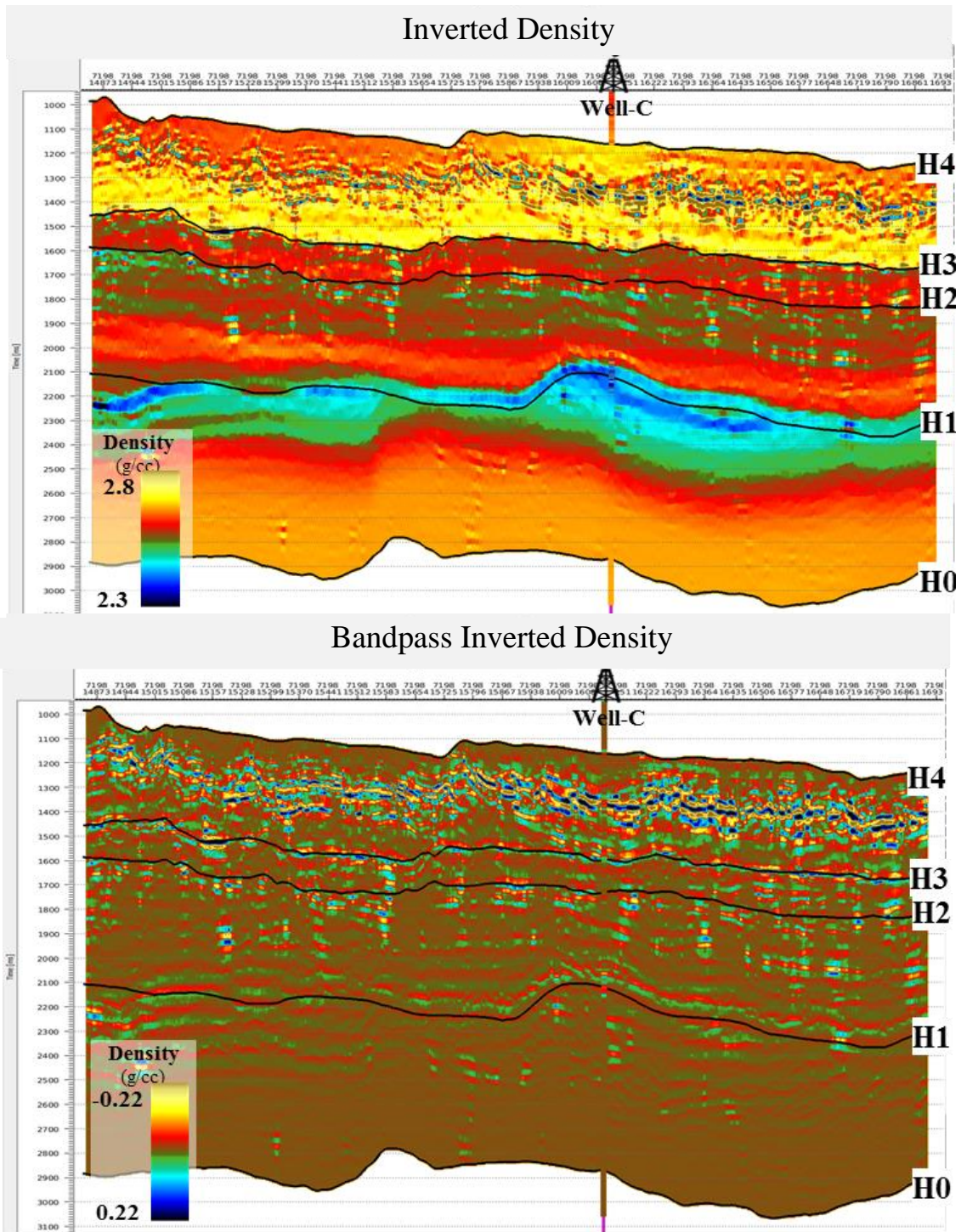


Figure C-25 Inline 7198 section of final absolute density comparing with density logs at Well-C (top). Bandpass filtering were applied to both inverted density and well data to create comparable relative inversion results (bottom).

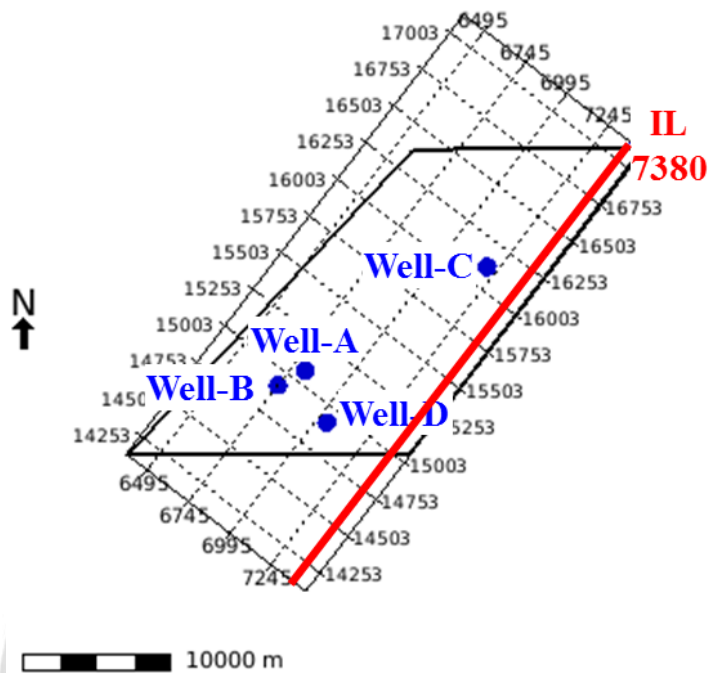


Figure C-26 Map location of inline 7380.

ลิขสิทธิ์มหาวิทยาลัยเชียงใหม่
 Copyright© by Chiang Mai University
 All rights reserved

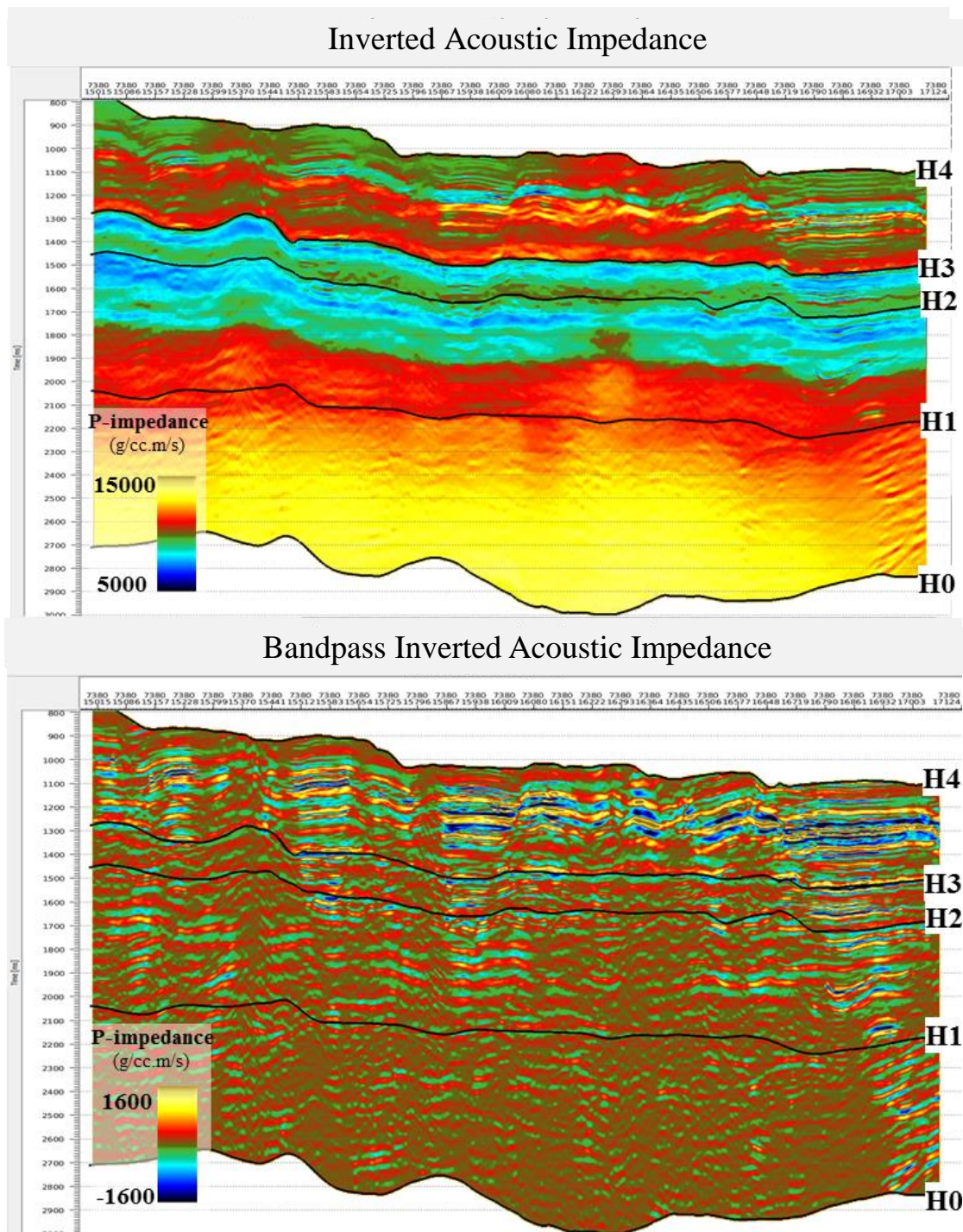


Figure C-27 Inline 7380 section of final absolute acoustic impedance (top) and bandpass filtering were applied to inverted acoustic impedance to create comparable relative inversion results (bottom).

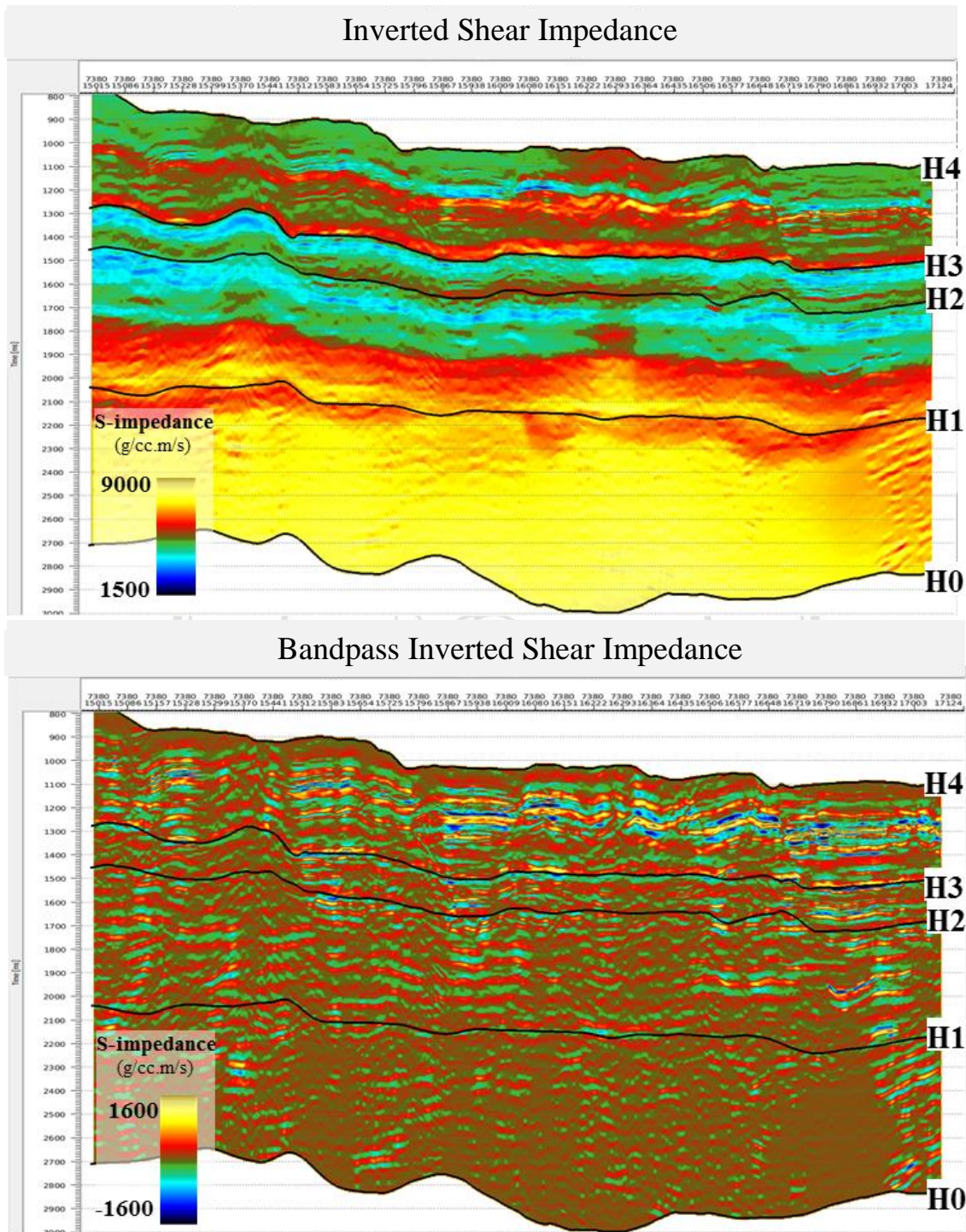


Figure C-28 Inline 7380 section of final absolute shear impedance (top) and bandpass filtering were applied to inverted shear impedance to create comparable relative inversion results (bottom).

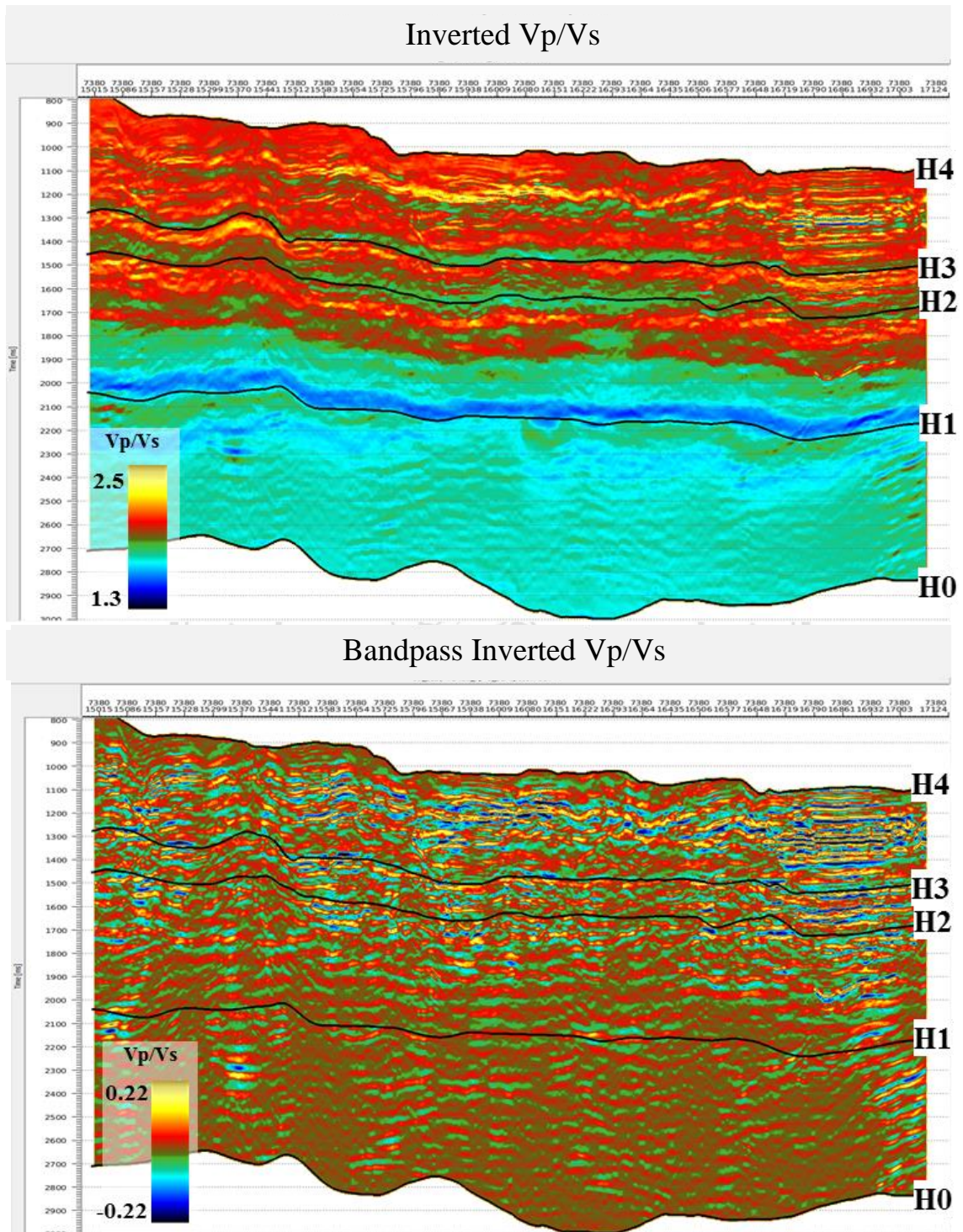


Figure C-29 Inline 7380 section of final absolute Vp/Vs (top) and bandpass filtering were applied to inverted Vp/Vs to create comparable relative inversion results (bottom).

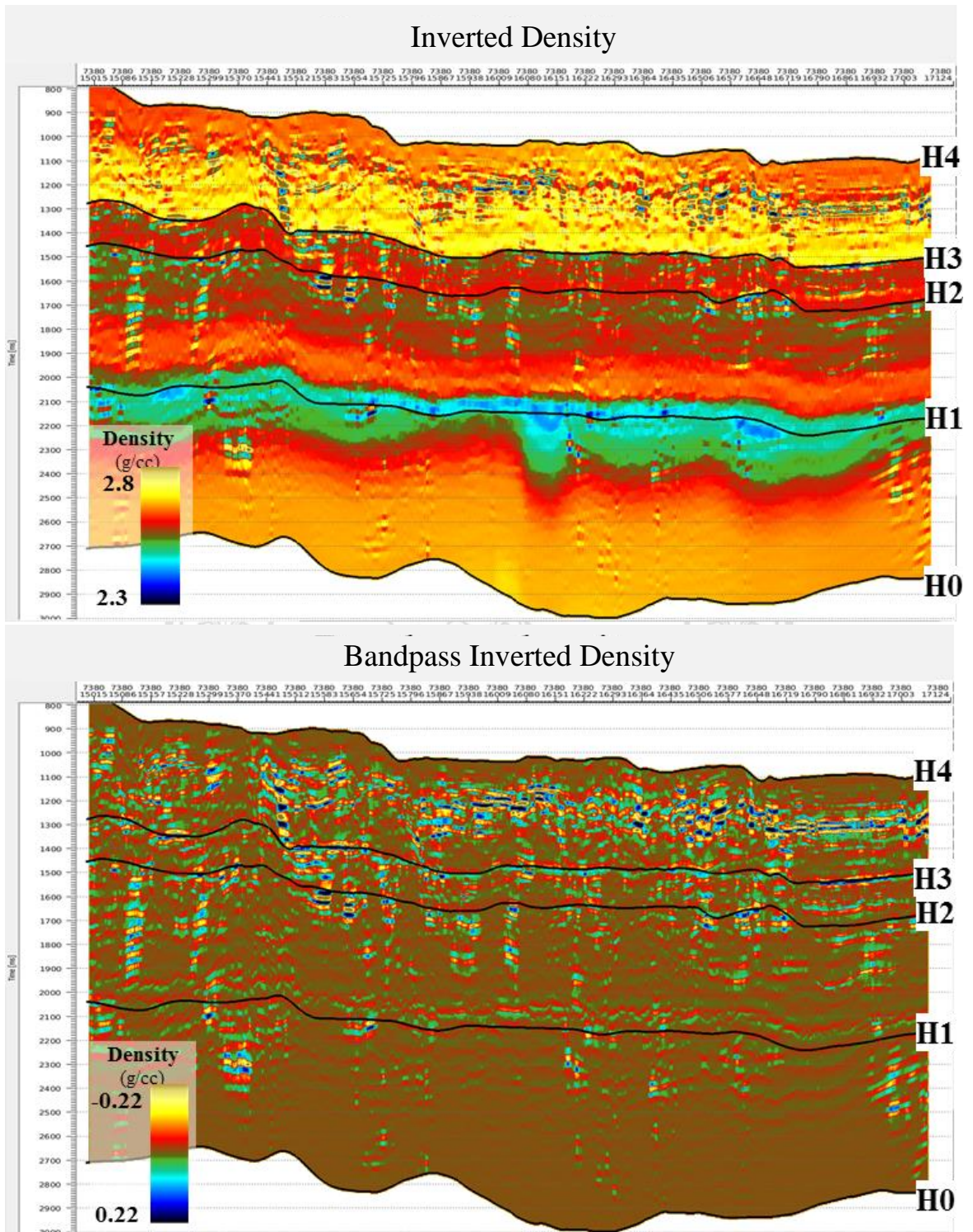
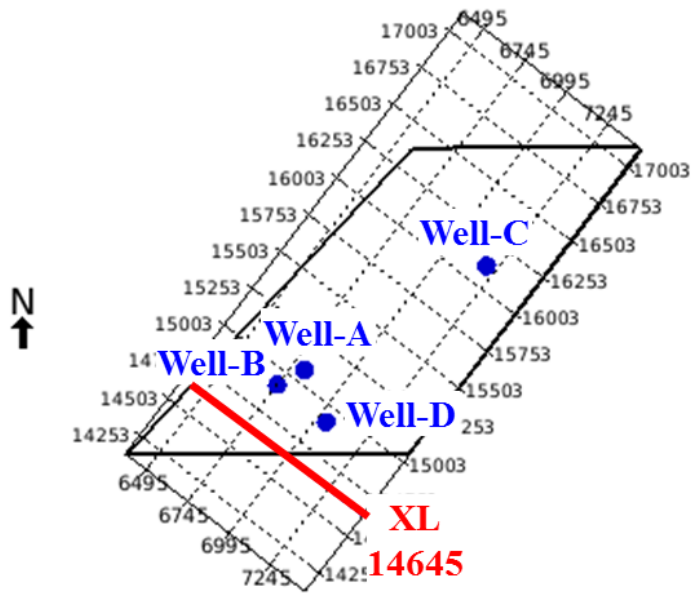


Figure C-30 Inline 7380 section of final absolute density (top) and bandpass filtering were applied to inverted density to create comparable relative inversion results (bottom).



10000 m

Figure C-31 Map location of crossline 14645.

ลิขสิทธิ์มหาวิทยาลัยเชียงใหม่
 Copyright© by Chiang Mai University
 All rights reserved

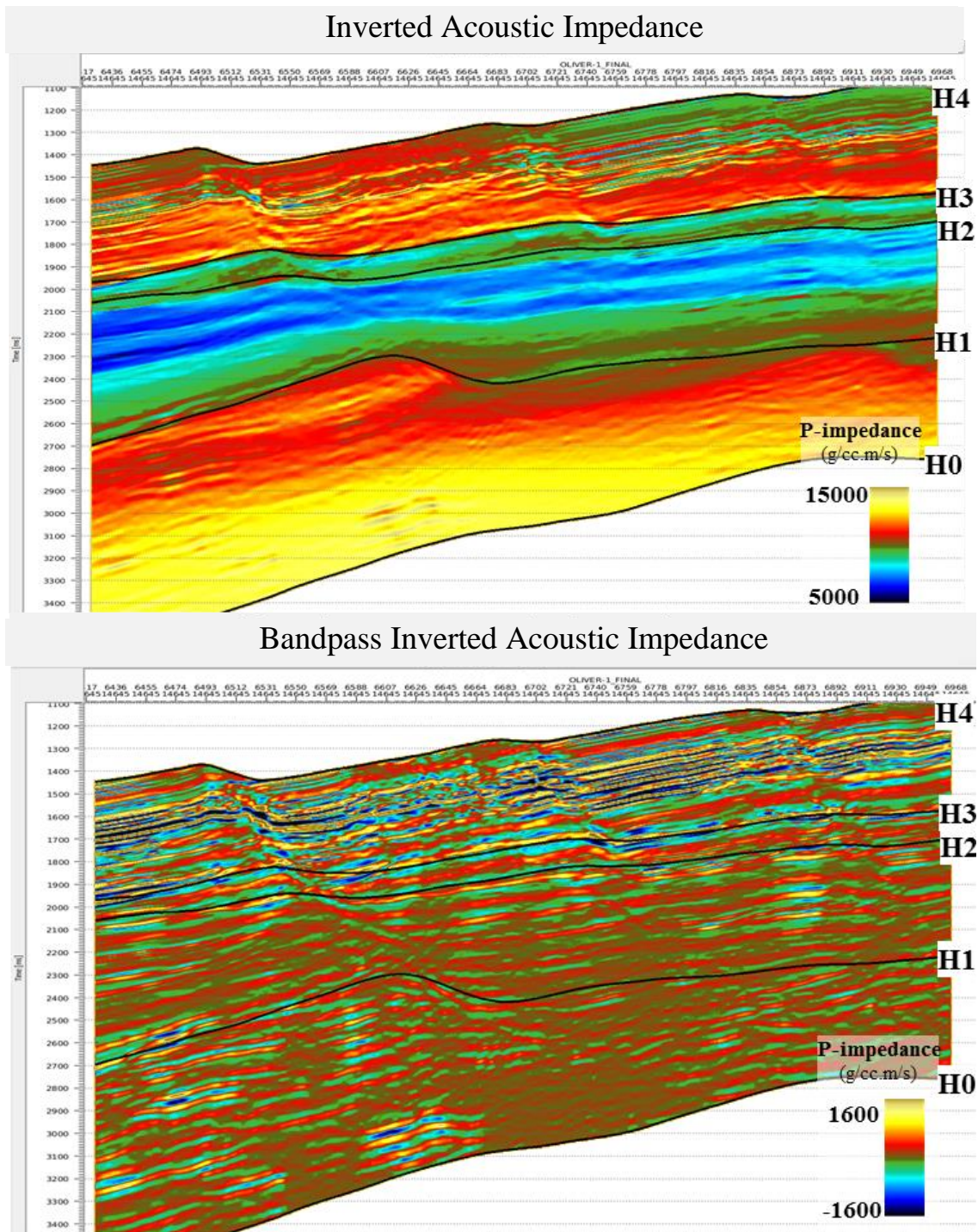


Figure C-32 Crossline 14645 section of final absolute acoustic impedance (top) and bandpass filtering were applied to inverted acoustic impedance to create comparable relative inversion results (bottom).

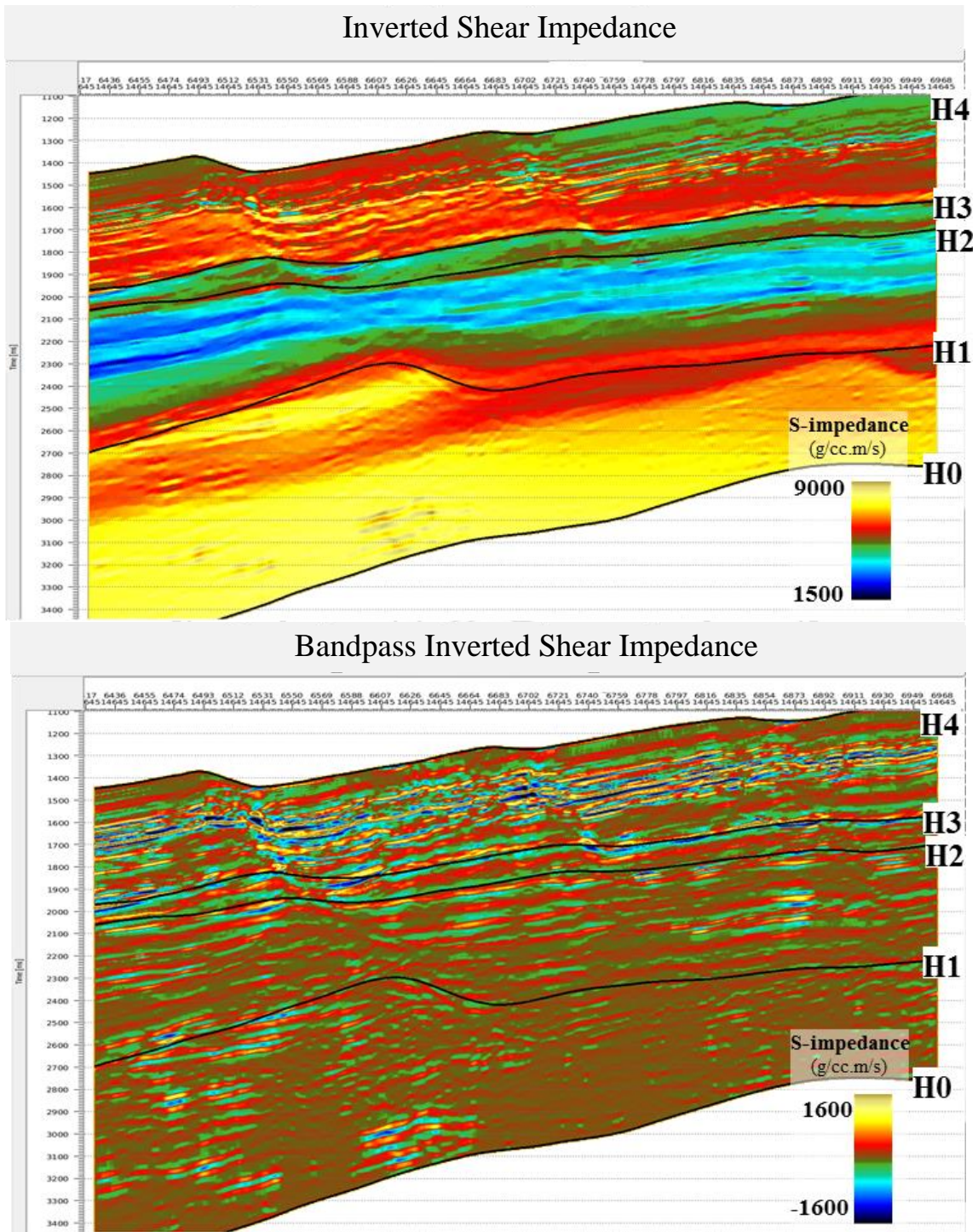


Figure C-33 Crossline 14645 section of final absolute shear impedance (top) and bandpass filtering were applied to inverted shear impedance to create comparable relative inversion results (bottom).

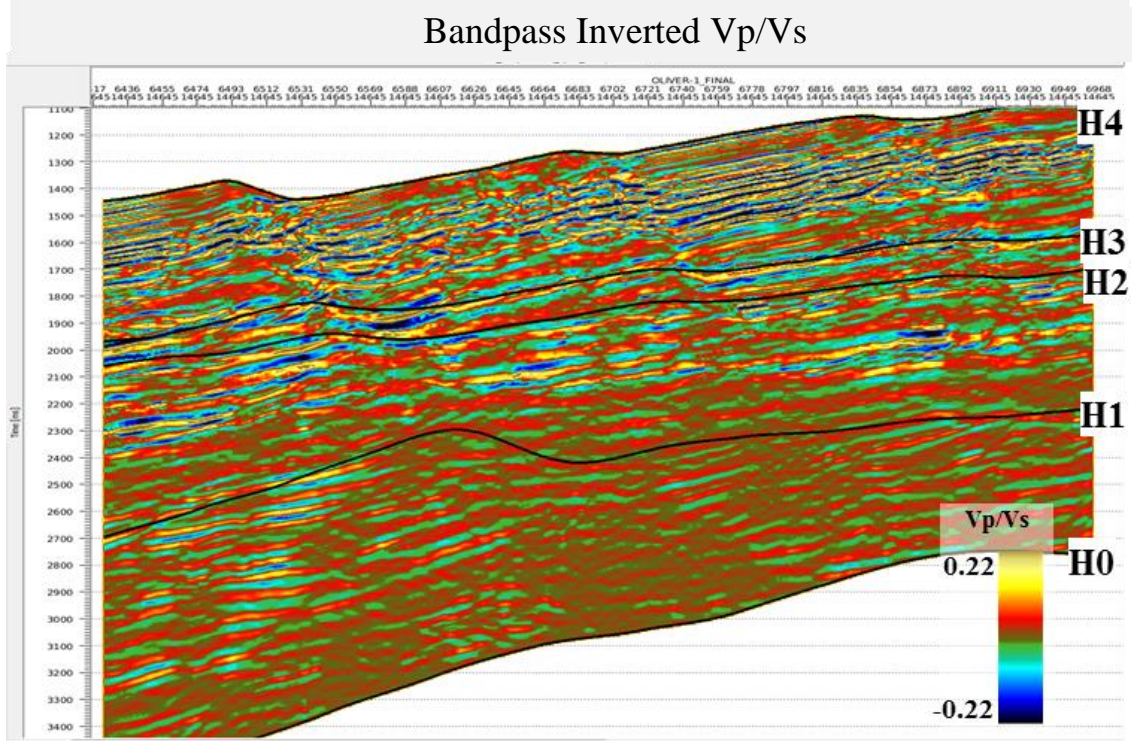
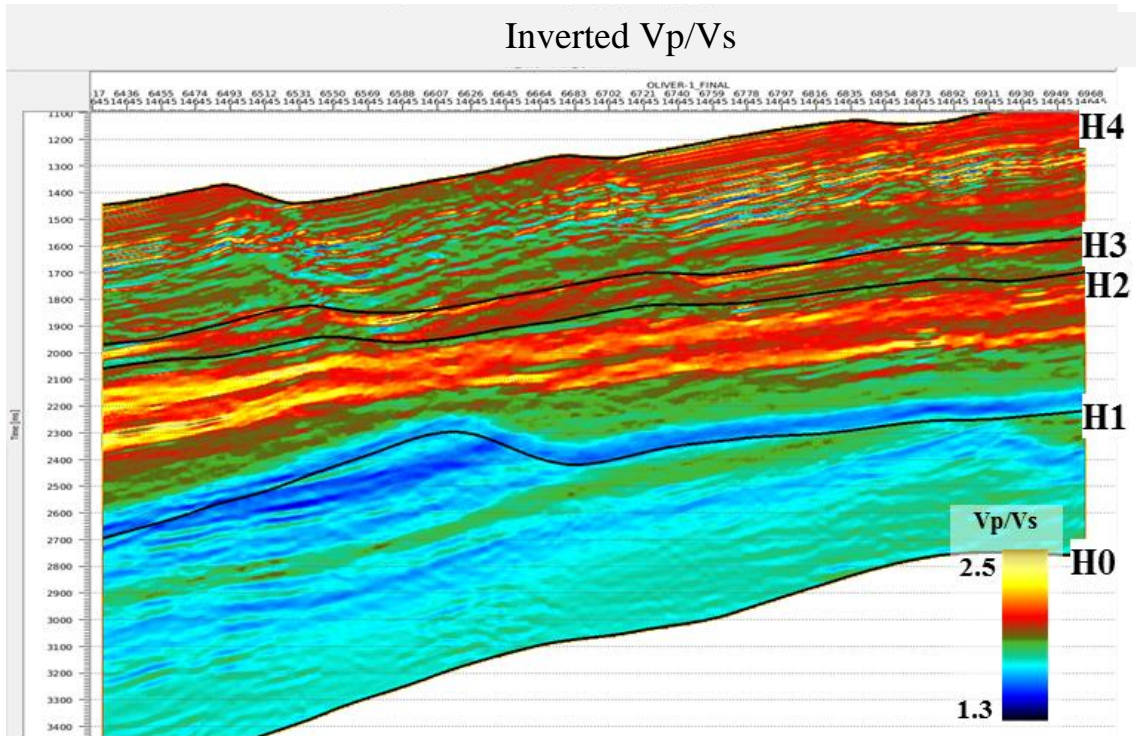


Figure C-34 Crossline 14645 section of final absolute Vp/Vs (top) and bandpass filtering were applied to inverted Vp/Vs to create comparable relative inversion results (bottom).

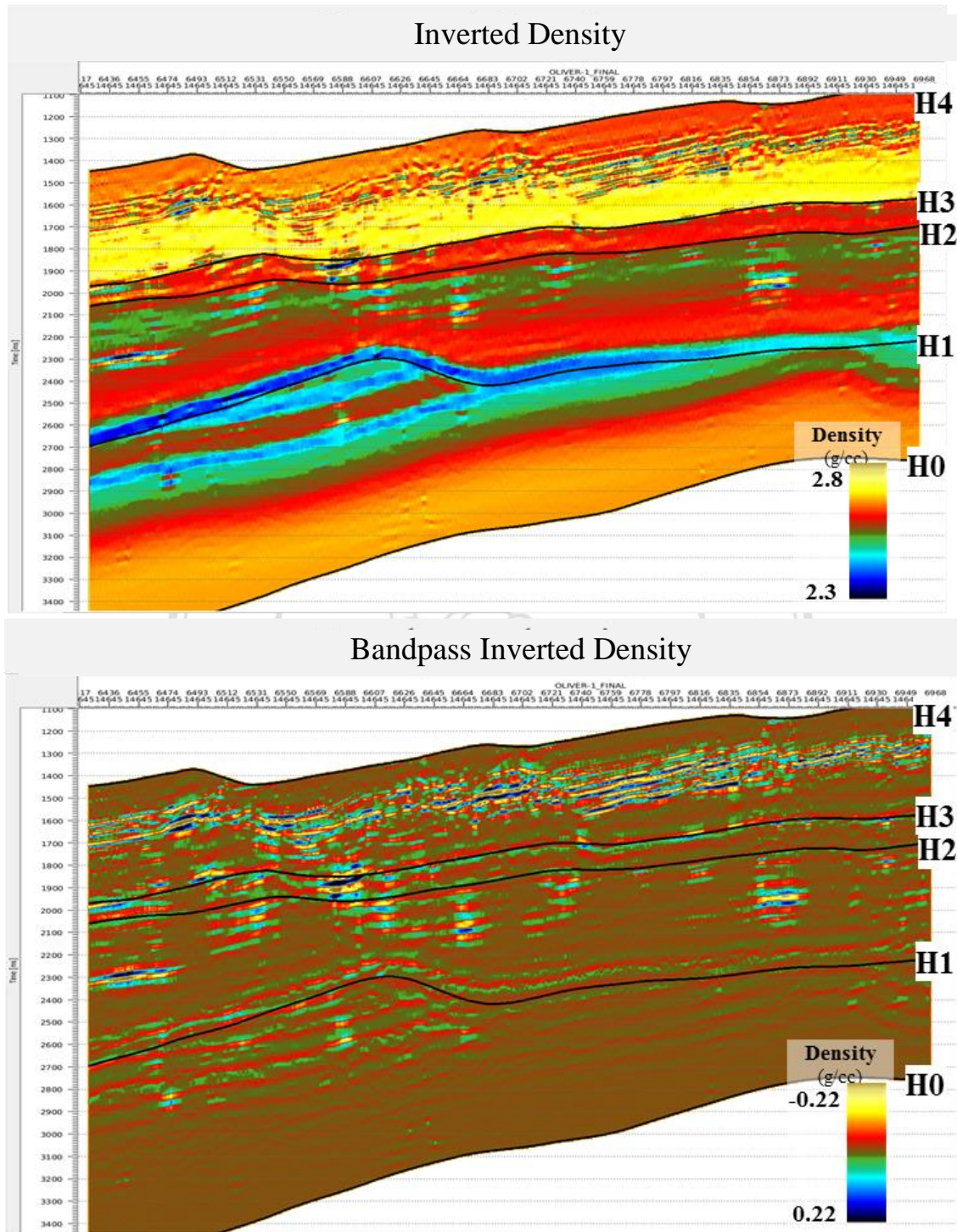


Figure C-35 Crossline 14645 section of final absolute density (top) and bandpass filtering were applied to inverted density to create comparable relative inversion results (bottom).

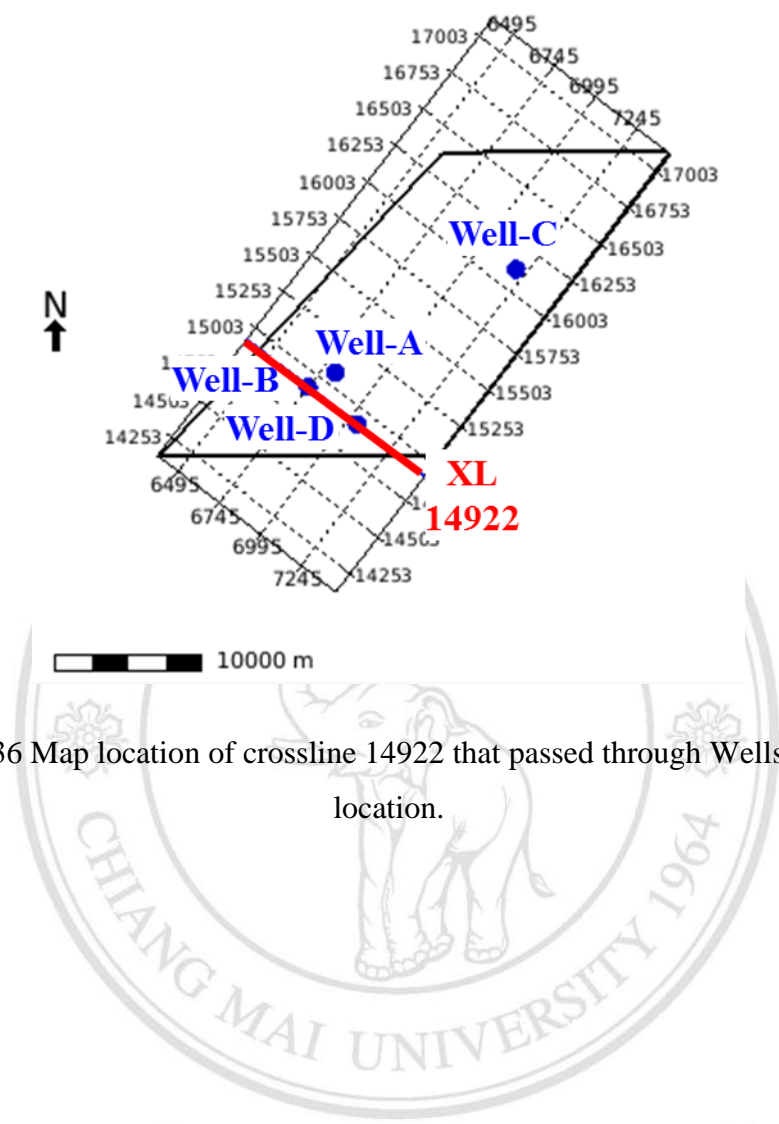


Figure C-36 Map location of crossline 14922 that passed through Wells-B and -C location.

ลิขสิทธิ์มหาวิทยาลัยเชียงใหม่
 Copyright© by Chiang Mai University
 All rights reserved

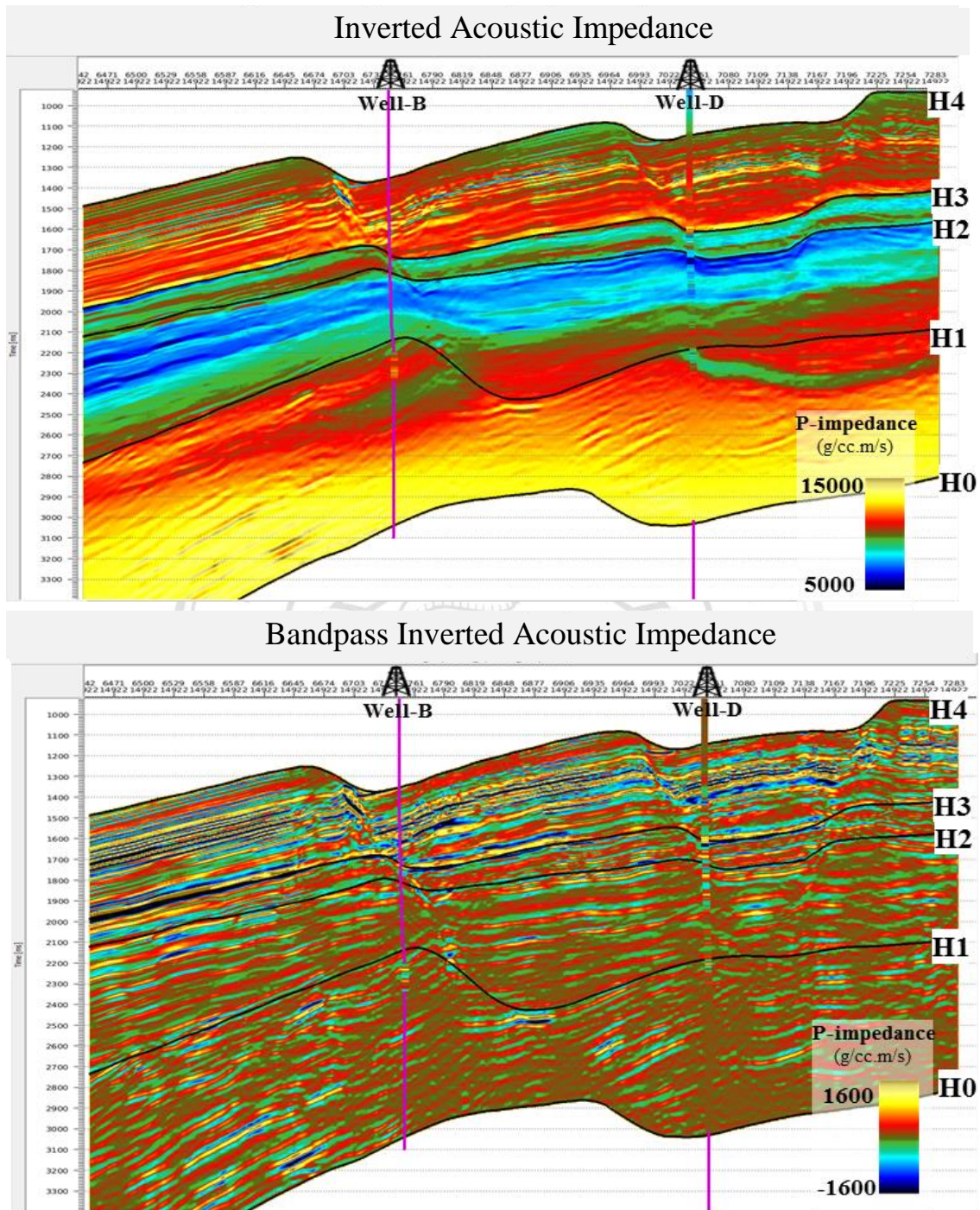


Figure C-37 Crossline 14922 section of final absolute acoustic impedance comparing with acoustic impedance logs at Wells-B and -D (top). Bandpass filtering were applied to both inverted acoustic impedance and well data to create comparable relative inversion results (bottom).

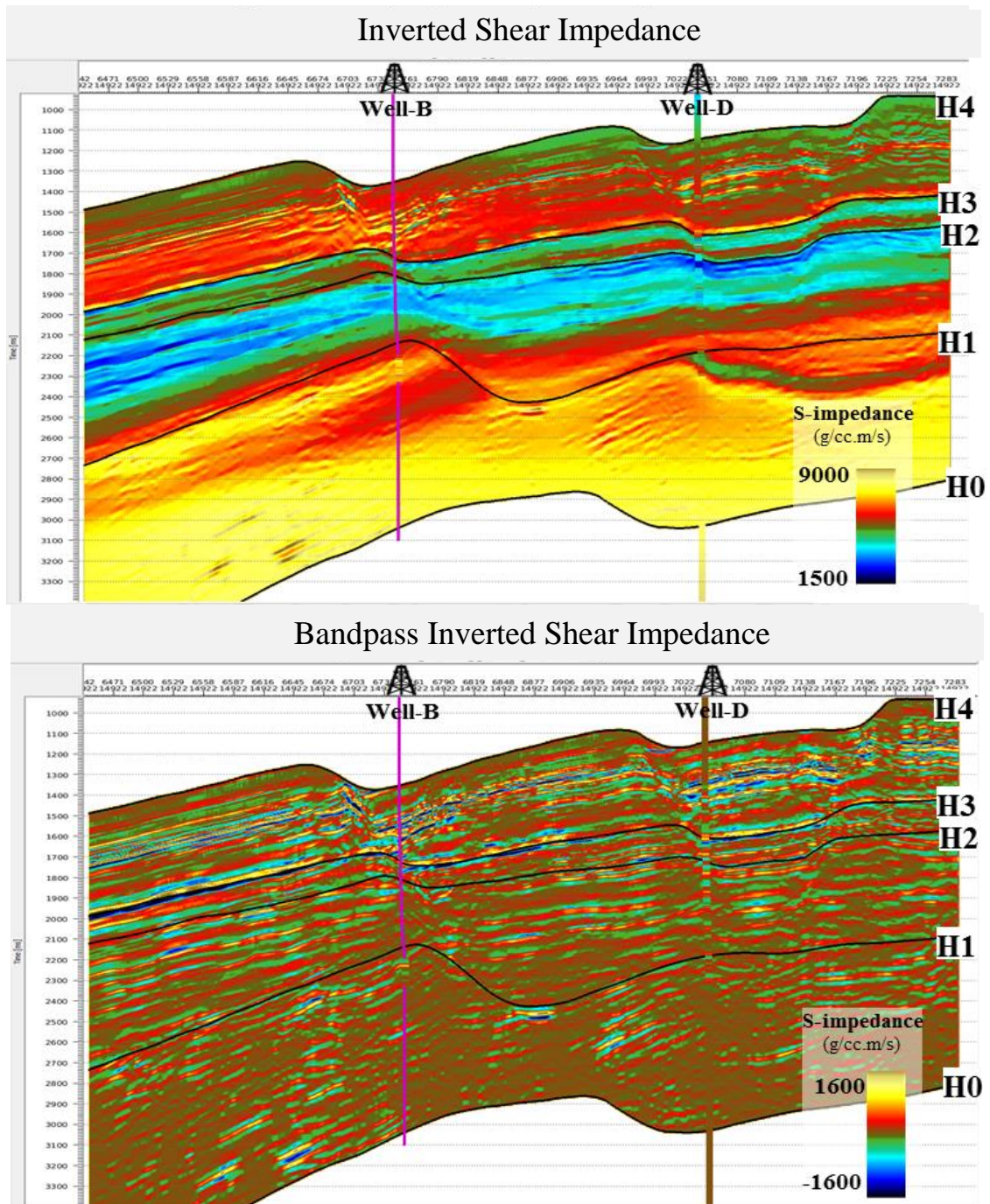


Figure C-38 Crossline 14922 section of final absolute shear impedance comparing with shear impedance logs at Wells-B and -D (top). Bandpass filtering were applied to both inverted shear impedance and well data to create comparable relative inversion results (bottom).

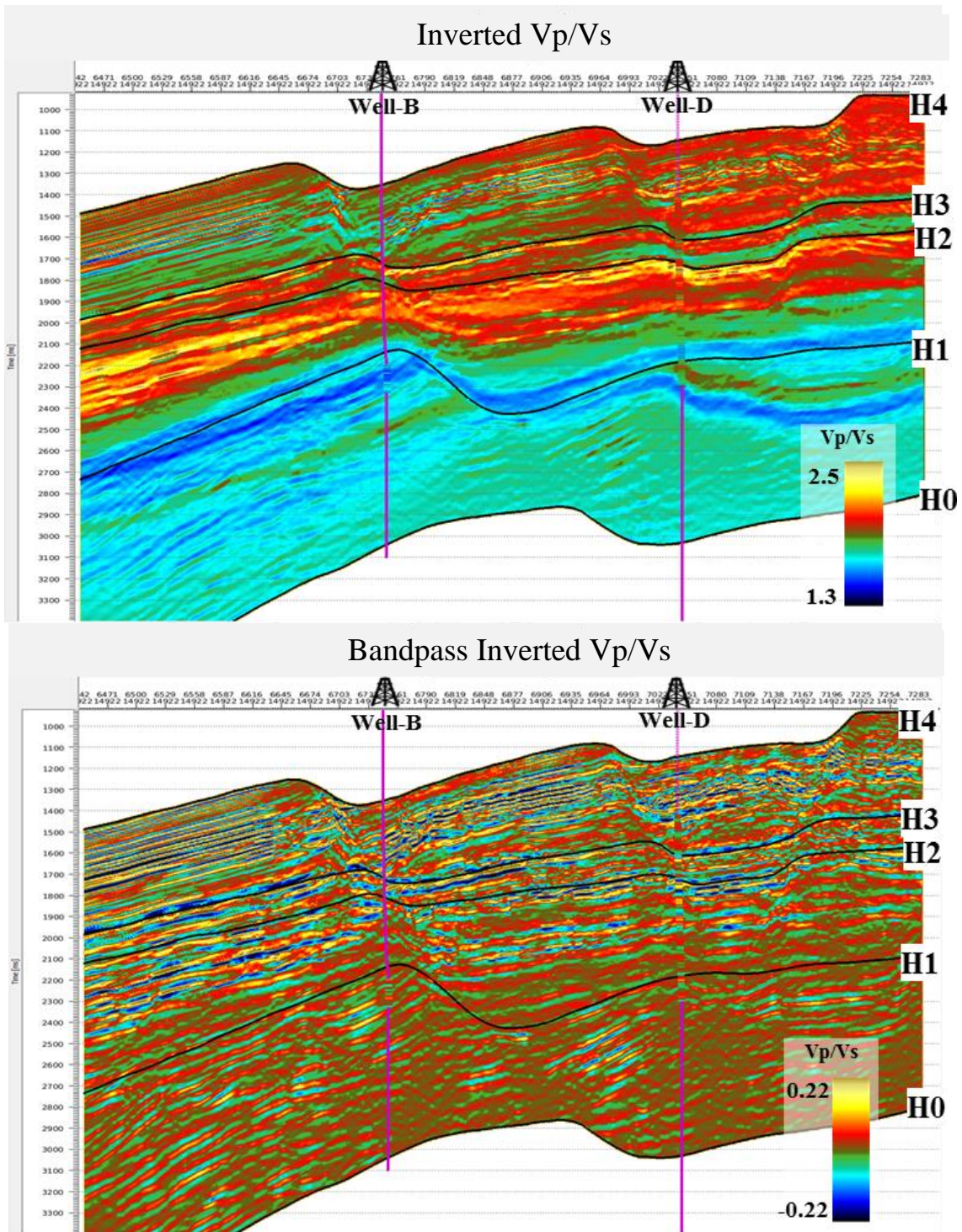


Figure C-39 Crossline 14922 section of final absolute Vp/Vs comparing with Vp/Vs logs at Wells-B and -D (top). Bandpass filtering were applied to both inverted Vp/Vs and well data to create comparable relative inversion results (bottom).

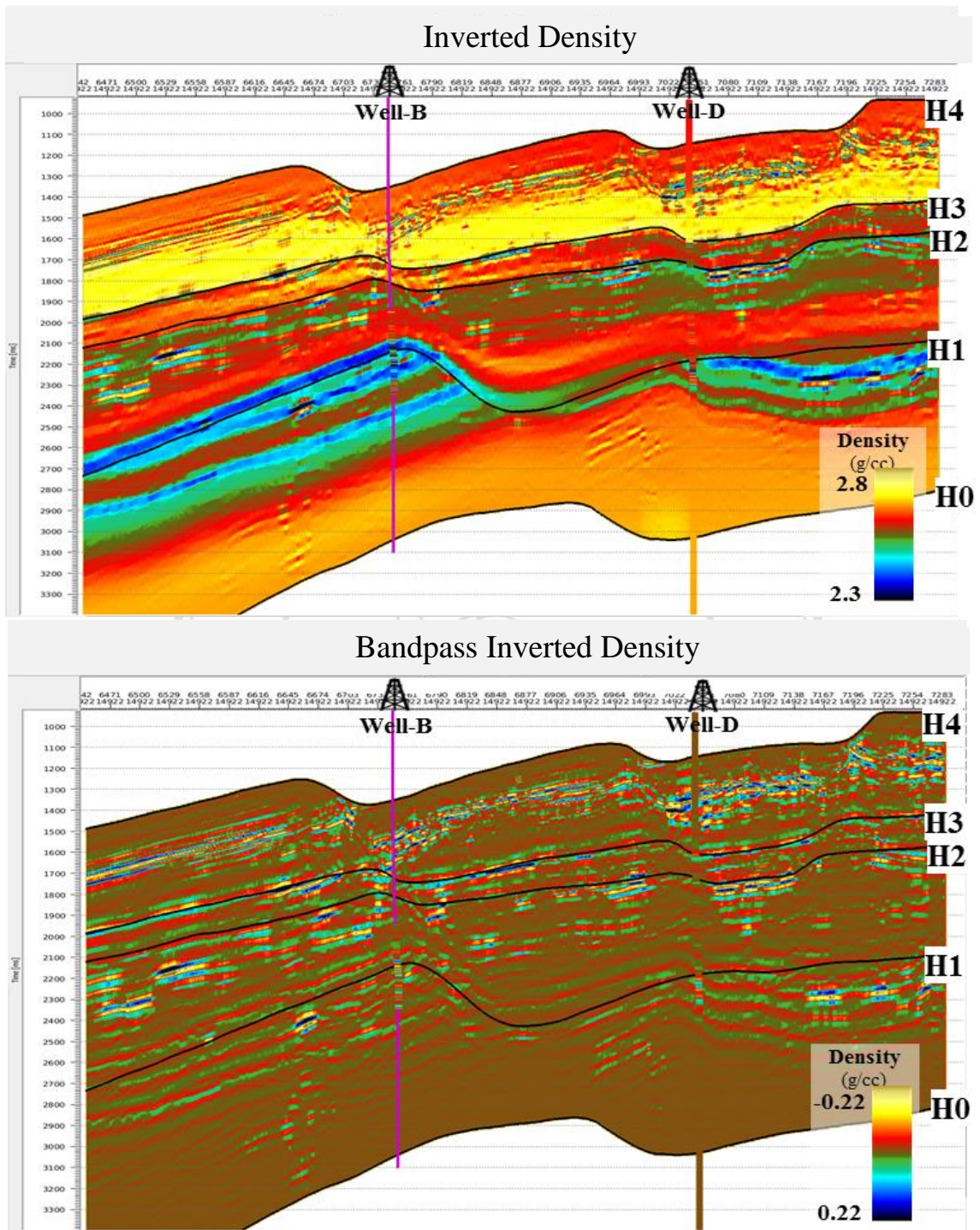
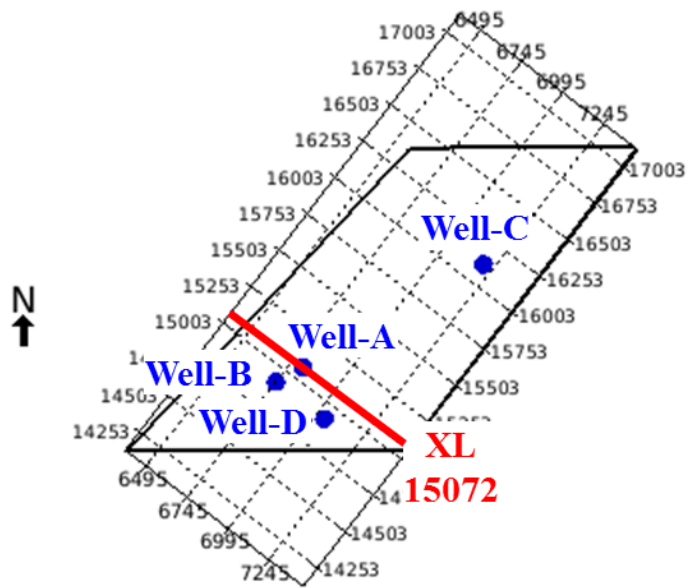


Figure C-40 Crossline 14922 of final absolute density comparing with density logs at Wells-B and -D (top). Bandpass filtering were applied to both inverted density and well data to create comparable relative inversion results (bottom).



10000 m

Figure C-41 Map location of crossline 15072 that passed through Well-A location.

ลิขสิทธิ์มหาวิทยาลัยเชียงใหม่
 Copyright© by Chiang Mai University
 All rights reserved

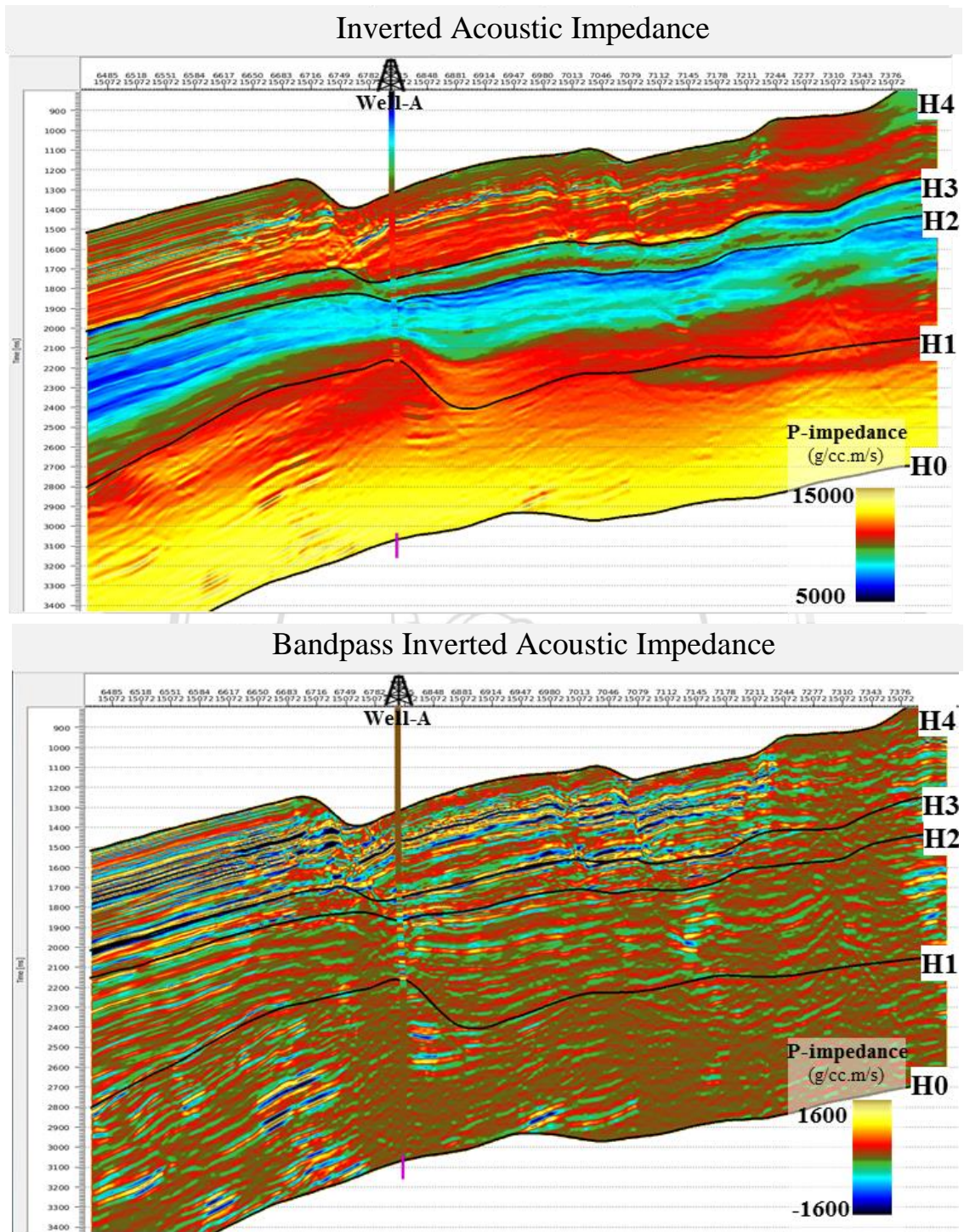


Figure C-42 Crossline 15072 section of final absolute acoustic impedance comparing with acoustic impedance logs at Well-A (top). Bandpass filtering were applied to both inverted acoustic impedance and well data to create comparable relative inversion results (bottom).

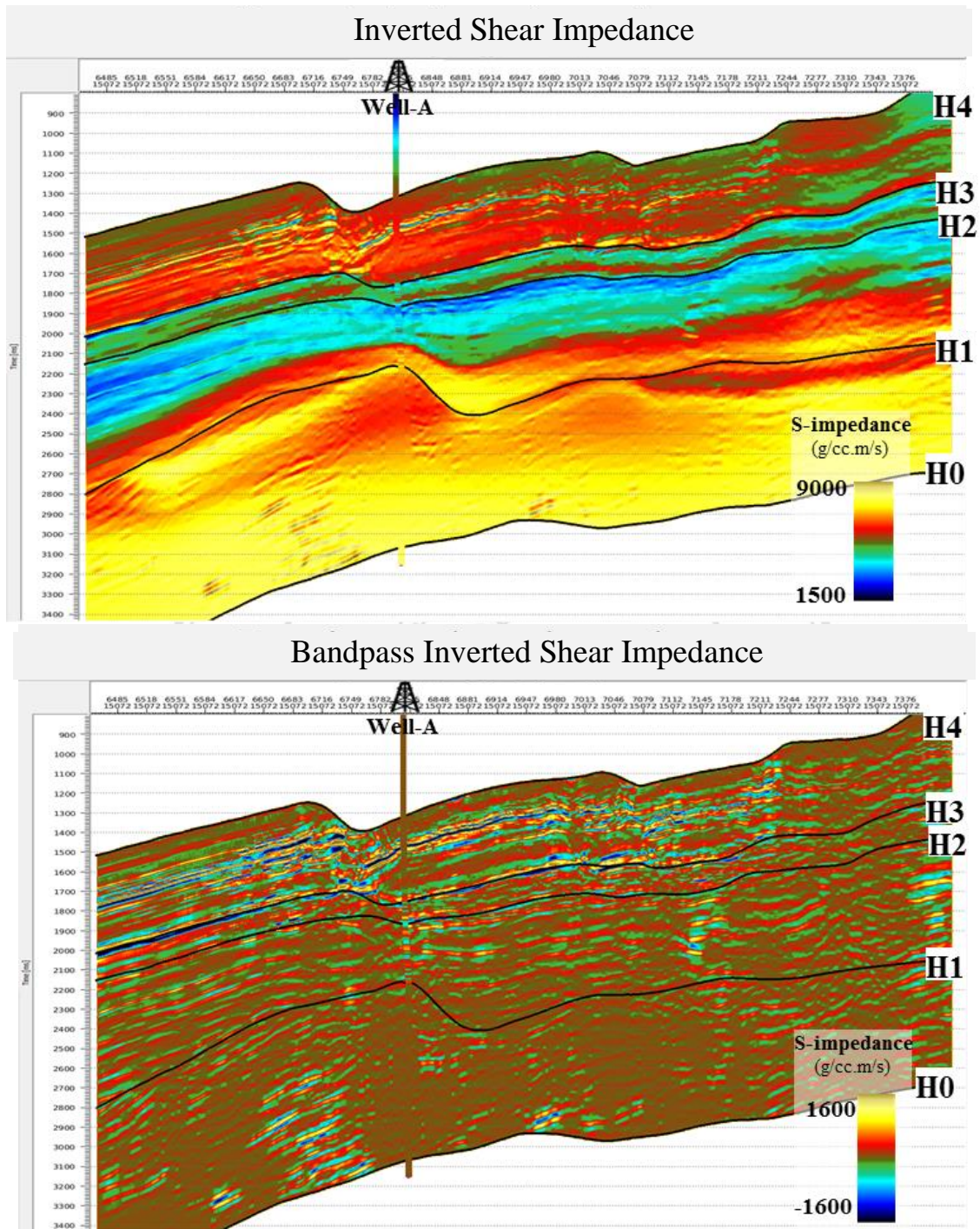


Figure C-43 Crossline 15072 section of final absolute shear impedance comparing with shear impedance logs at Well-A (top). Bandpass filtering were applied to both inverted shear impedance and well data to create comparable relative inversion results (bottom).

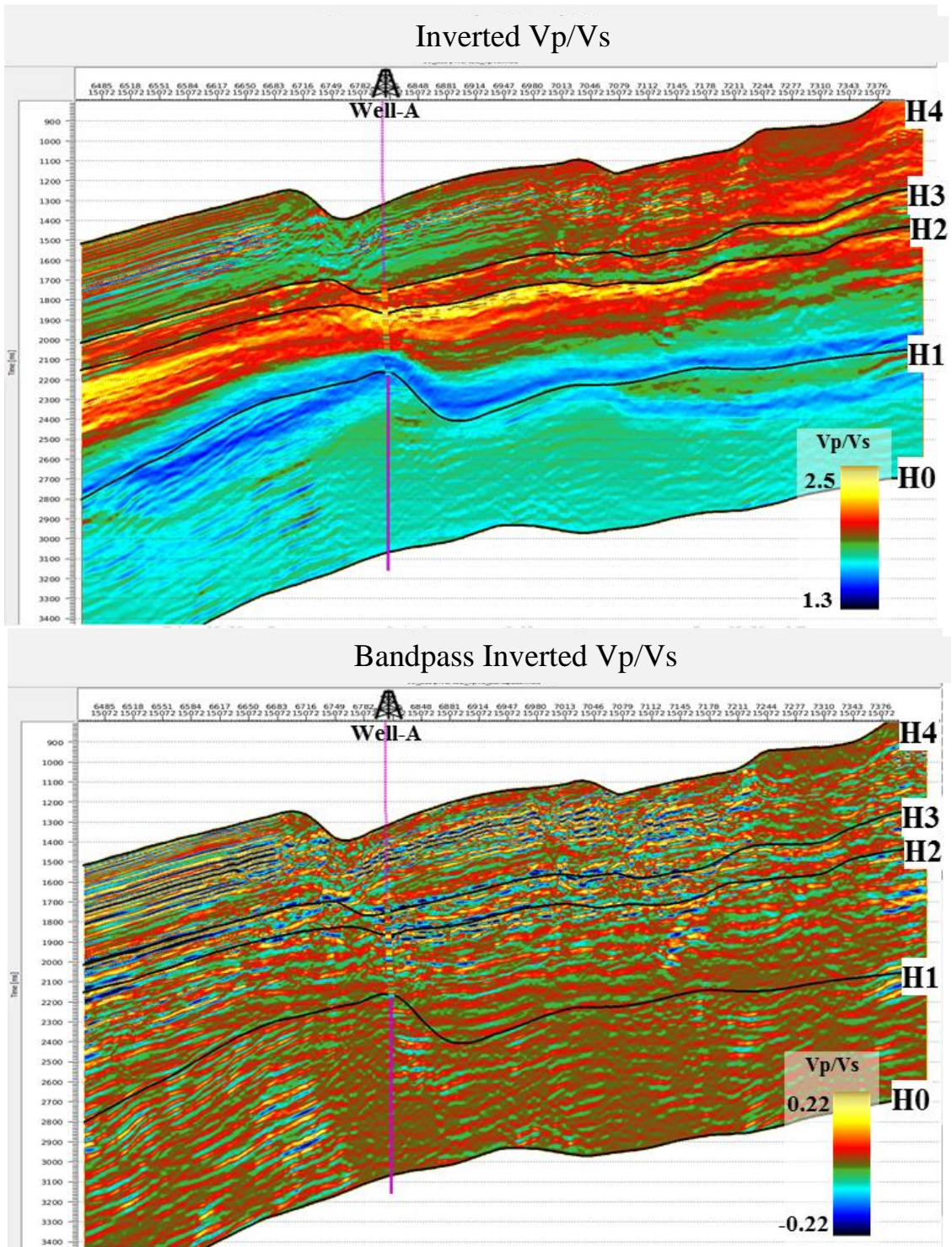


Figure C-44 Crossline 15072 section of final absolute Vp/Vs comparing with Vp/Vs logs at Well-A (top). Bandpass filtering were applied to both inverted Vp/Vs and well data to create comparable relative inversion results (bottom).

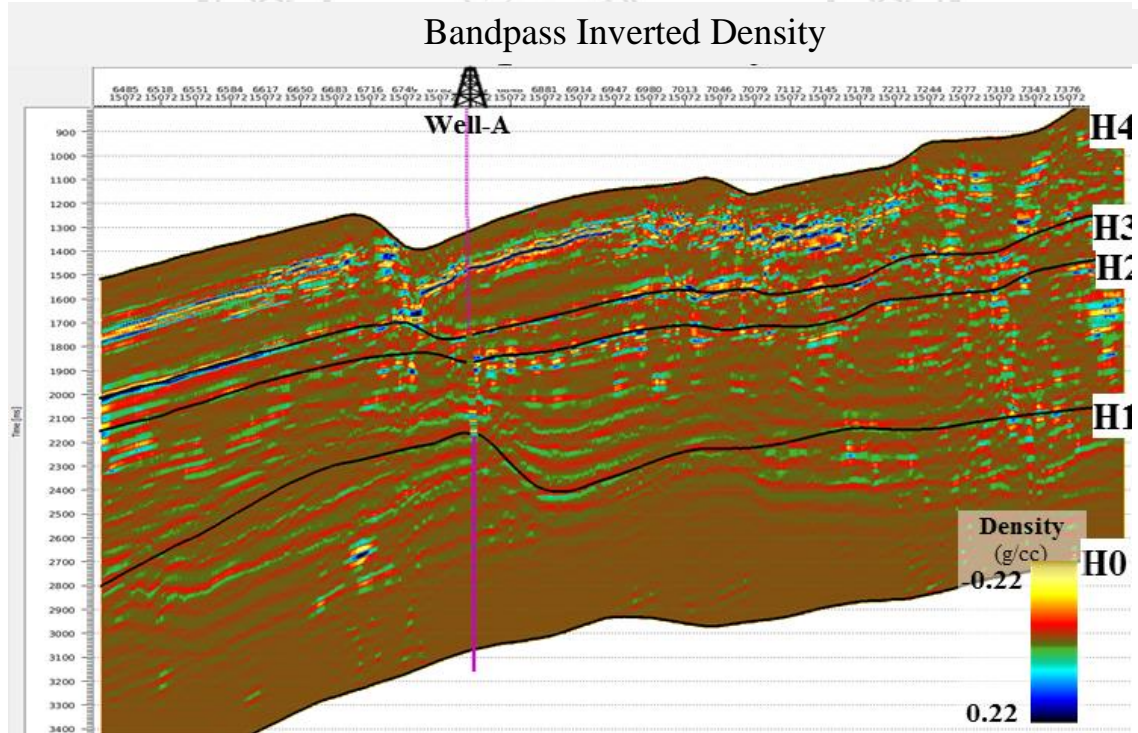
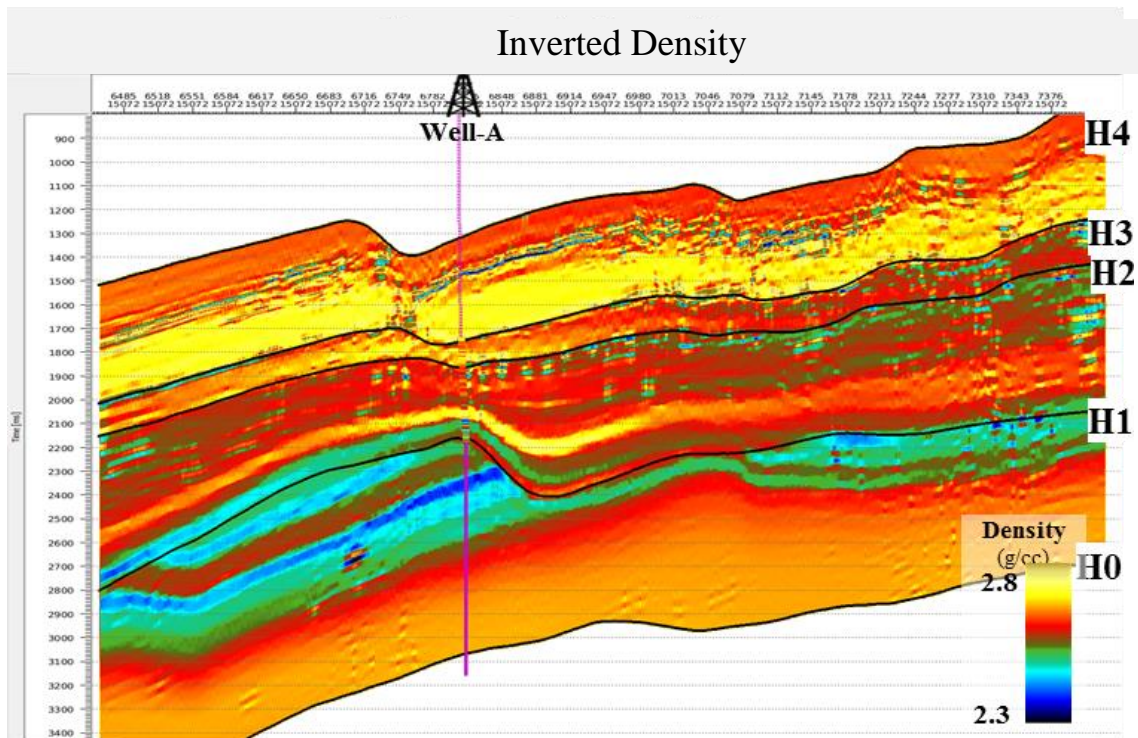


Figure C-45 Crossline 15072 section of final absolute density comparing with density logs at Well-A (top). Bandpass filtering were applied to both inverted density and well data to create comparable relative inversion results (bottom).

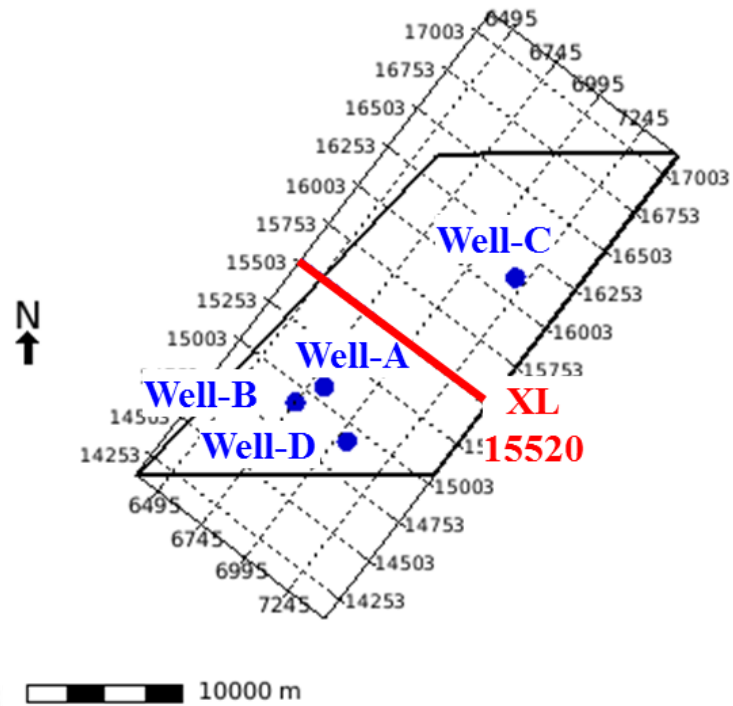


Figure C-46 Map location of crossline 15520.

ลิขสิทธิ์มหาวิทยาลัยเชียงใหม่
 Copyright© by Chiang Mai University
 All rights reserved

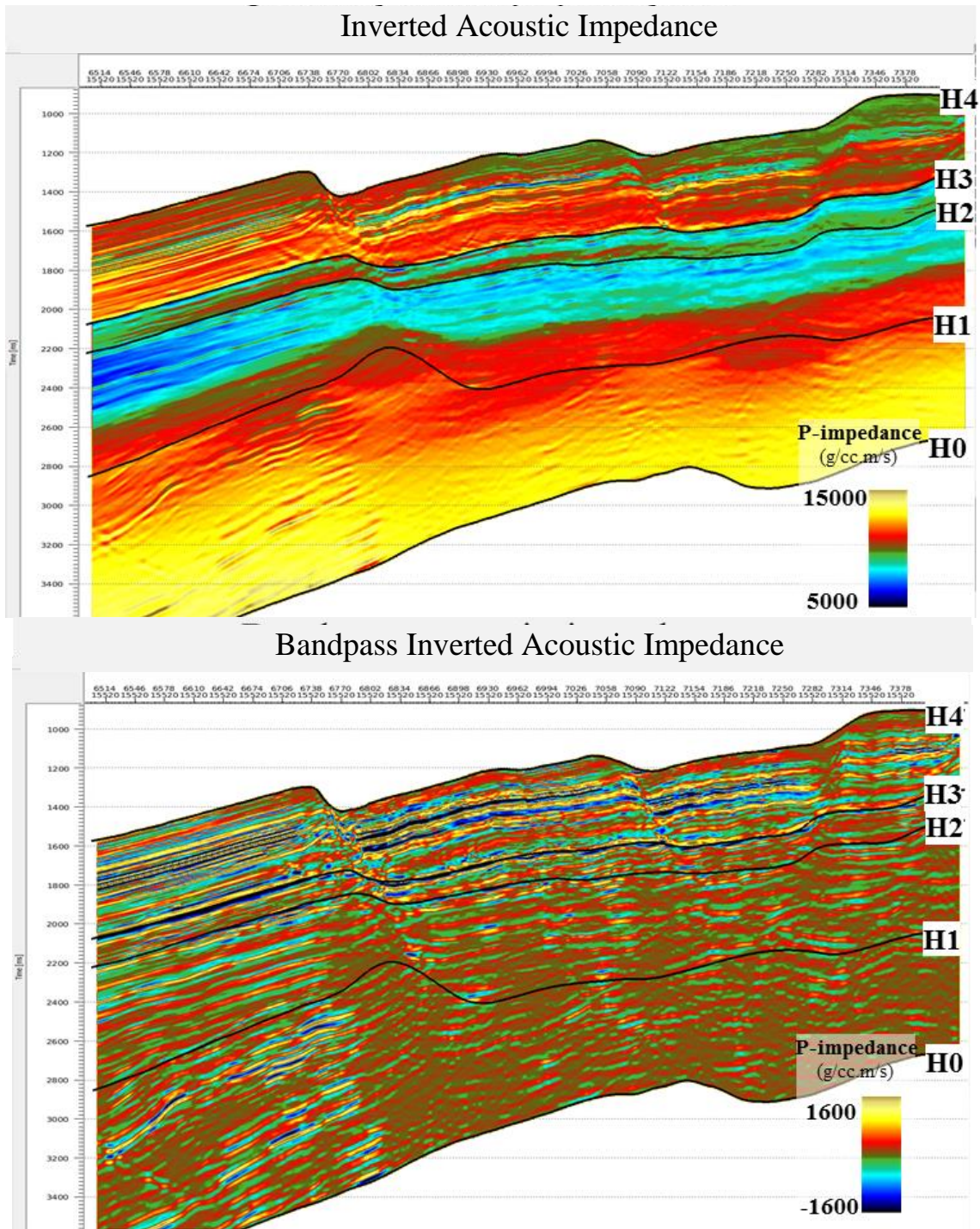


Figure C-47 Crossline 15520 section of final absolute acoustic impedance (top) and bandpass filtering were applied to inverted acoustic impedance to create comparable relative inversion results (bottom).

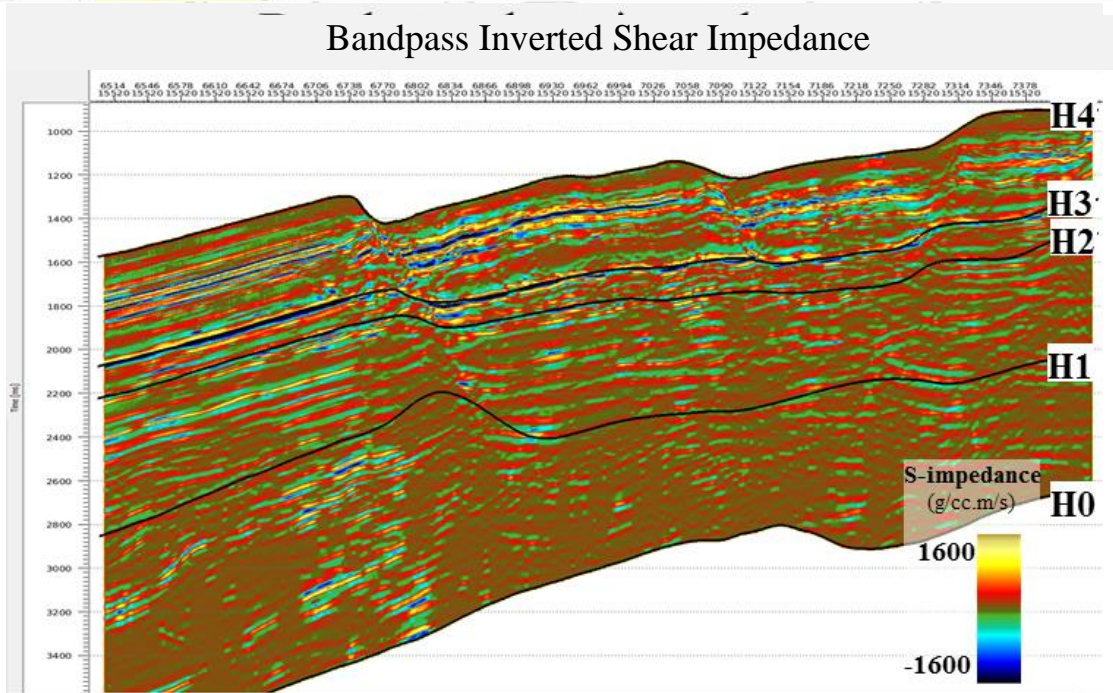
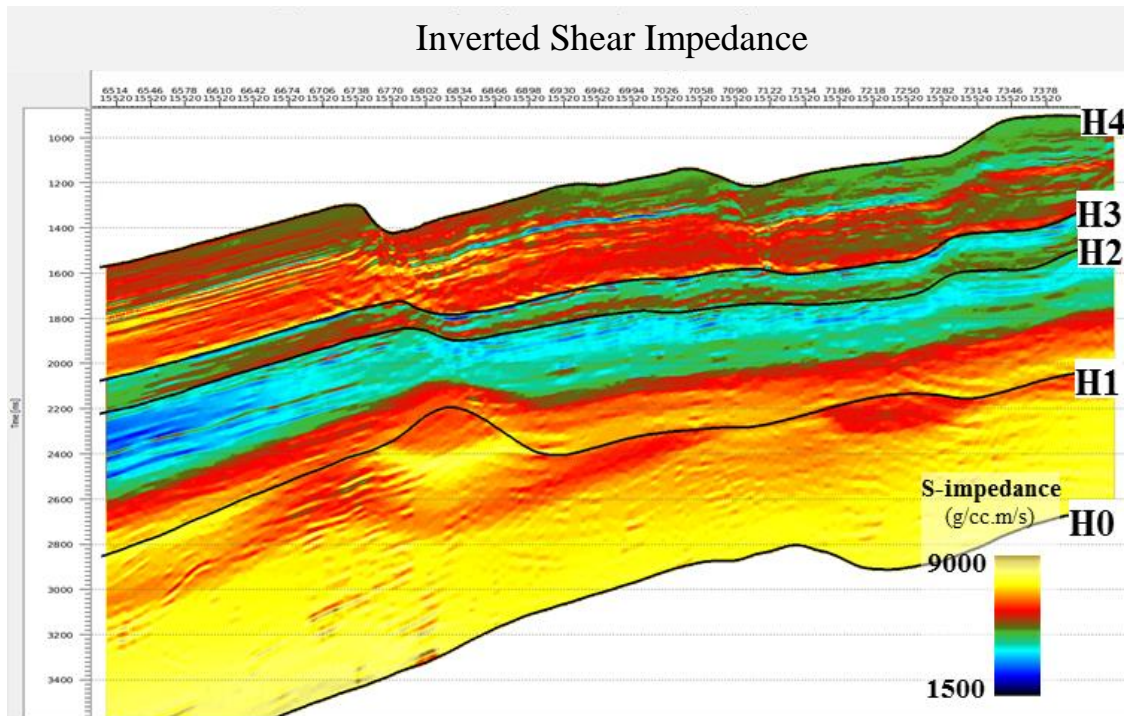


Figure C-48 Crossline 15520 section of final absolute shear impedance (top) and bandpass filtering were applied to inverted shear impedance to create comparable relative inversion results (bottom).

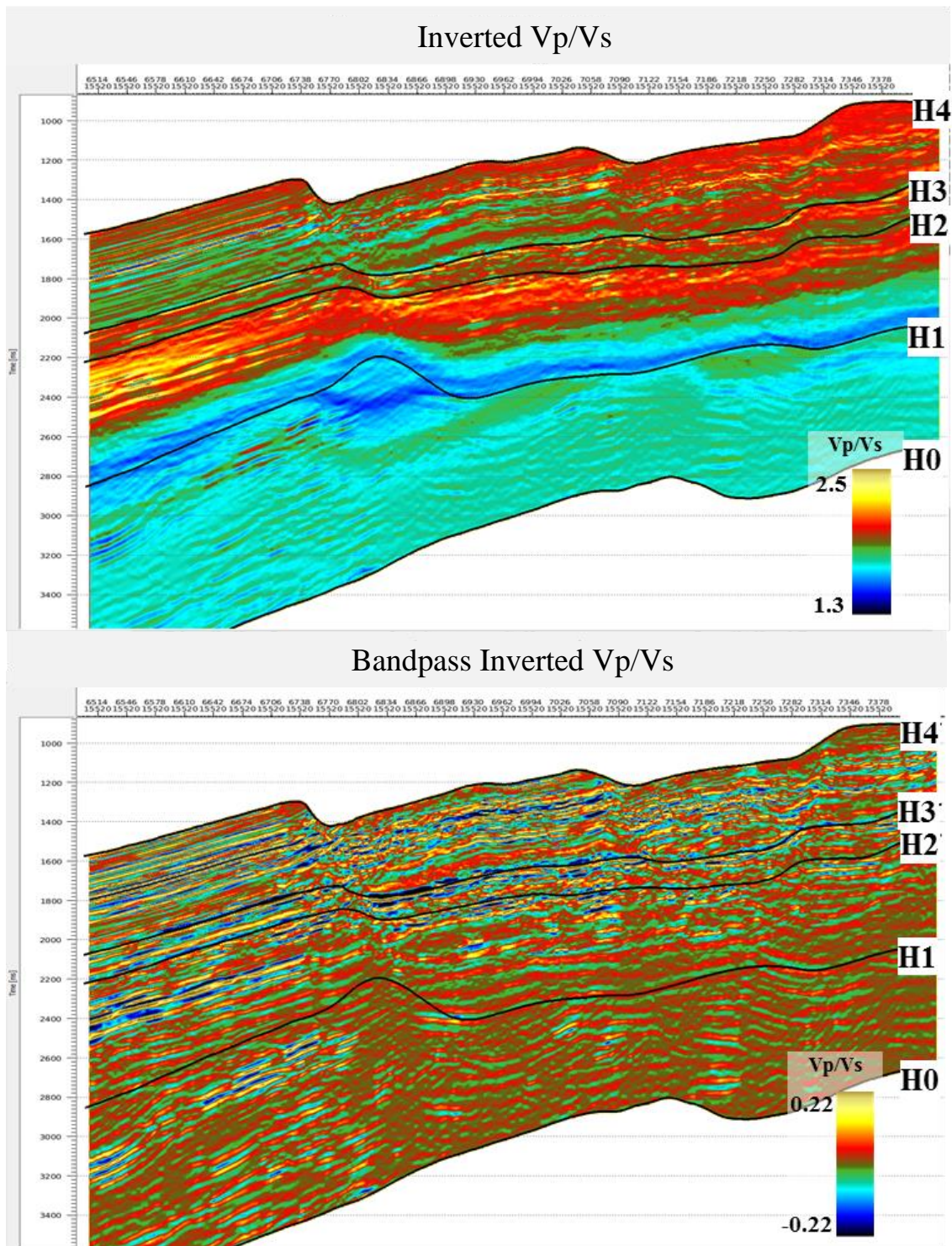


Figure C-49 Crossline 15520 section of final absolute Vp/Vs (top) and bandpass filtering were applied to inverted Vp/Vs to create comparable relative inversion results (bottom).

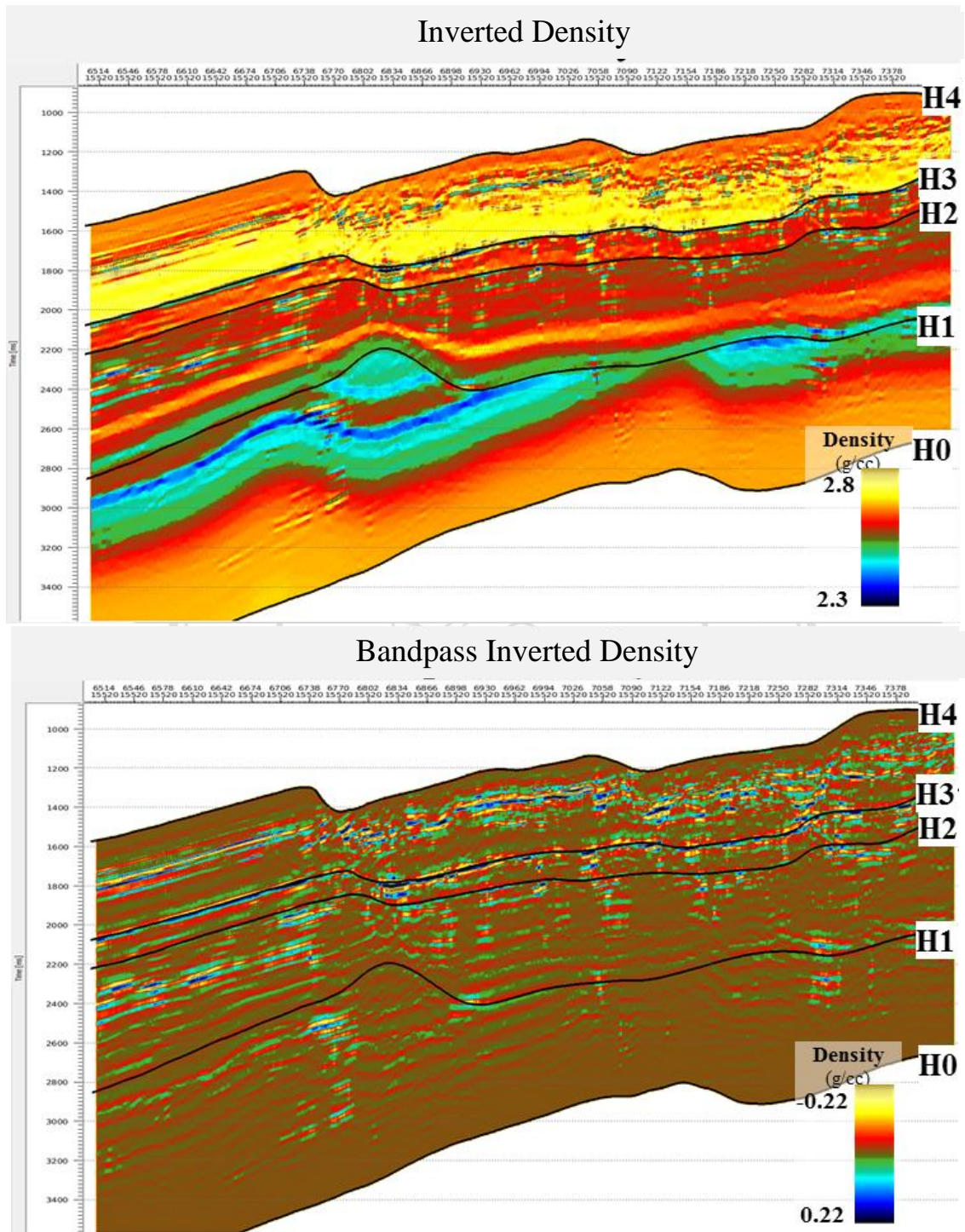


Figure C-50 Crossline 15520 section of final absolute density (top) and bandpass filtering were applied to inverted density to create comparable relative inversion results (bottom).

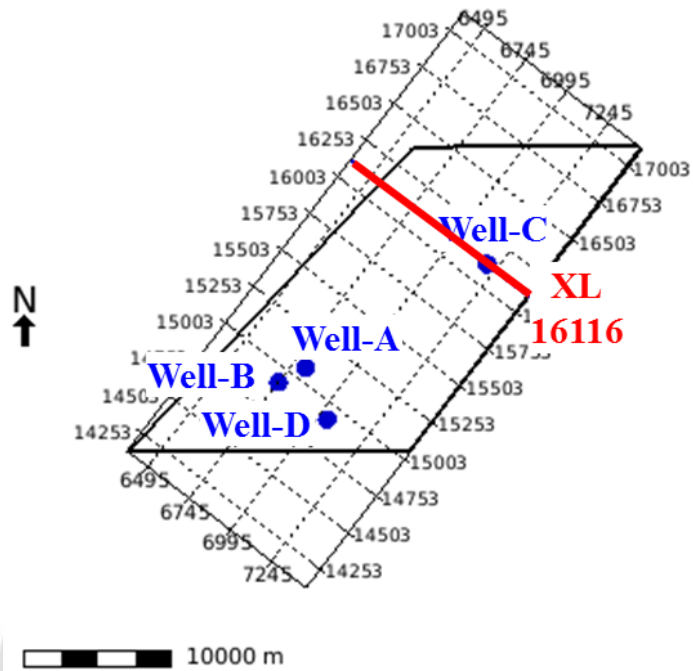


Figure C-51 Map location of crossline 16116 that passed through Well-C location.

ลิขสิทธิ์มหาวิทยาลัยเชียงใหม่
 Copyright© by Chiang Mai University
 All rights reserved

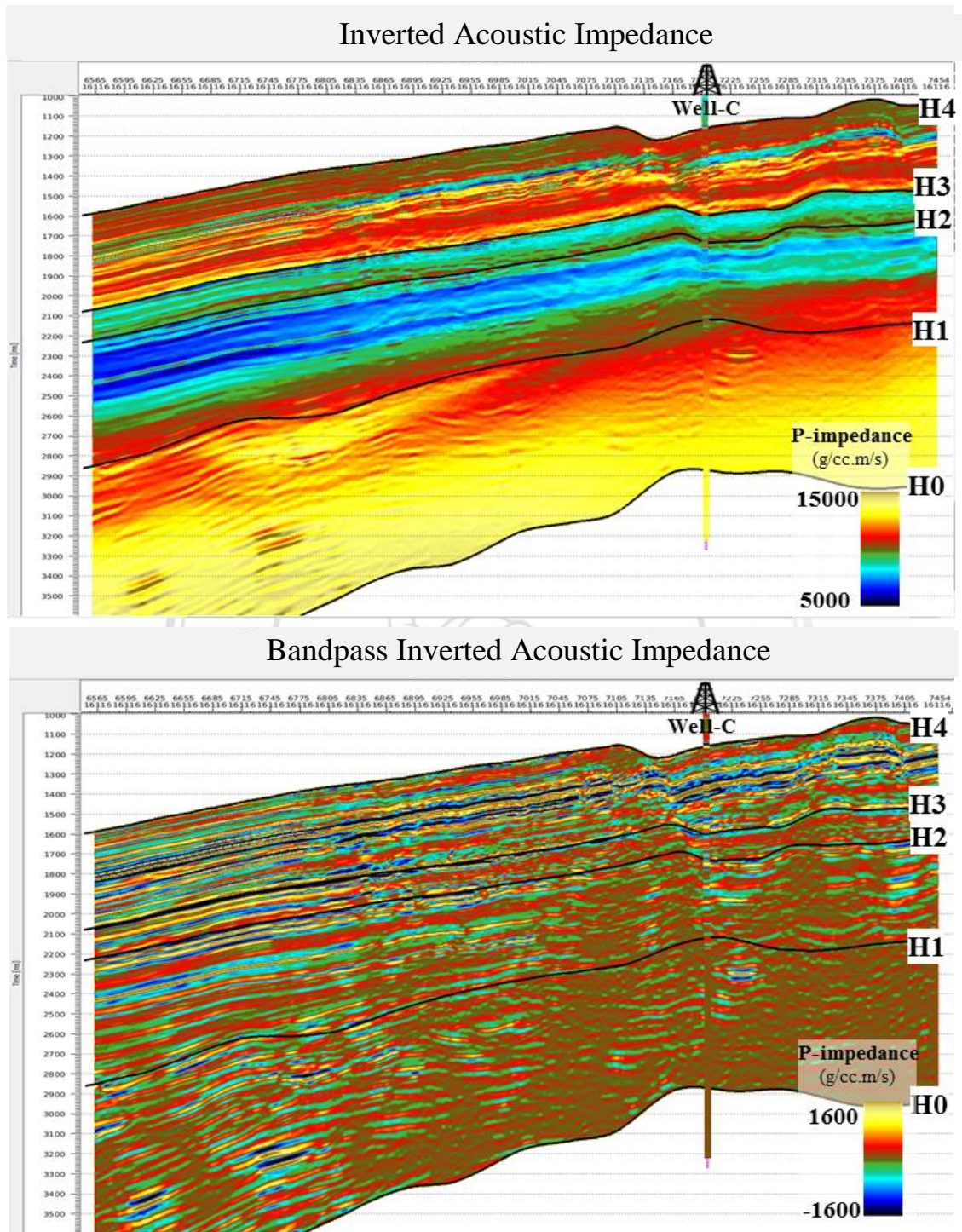


Figure C-52 Crossline 16116 section of final absolute acoustic impedance comparing with acoustic impedance logs at Well-C (top). Bandpass filtering were applied to both inverted acoustic impedance and well data to create comparable relative inversion results (bottom).

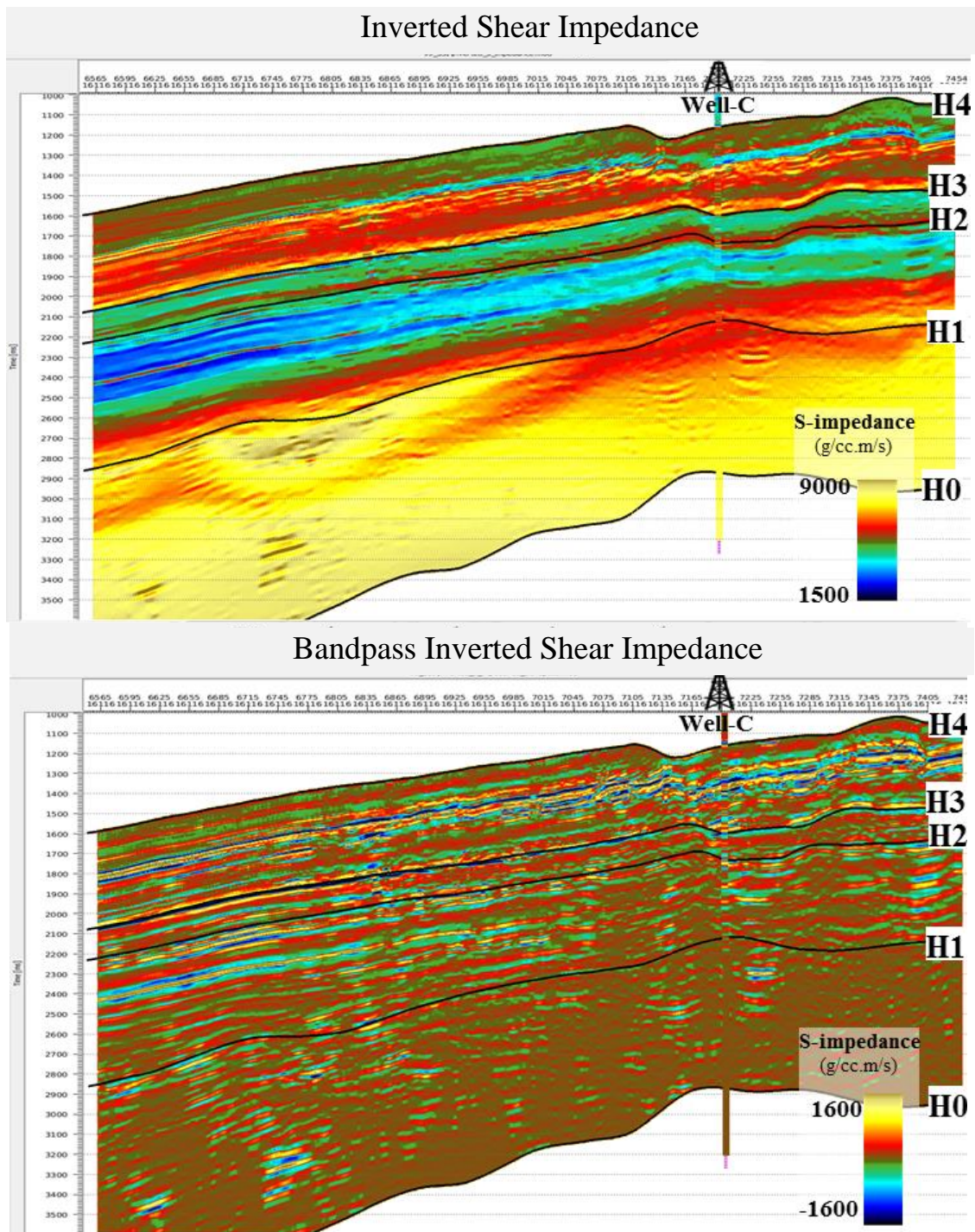


Figure C-53 Crossline 16116 section of final absolute shear impedance comparing with shear impedance logs at Well-C (top). Bandpass filtering were applied to both inverted shear impedance and well data to create comparable relative inversion results (bottom).

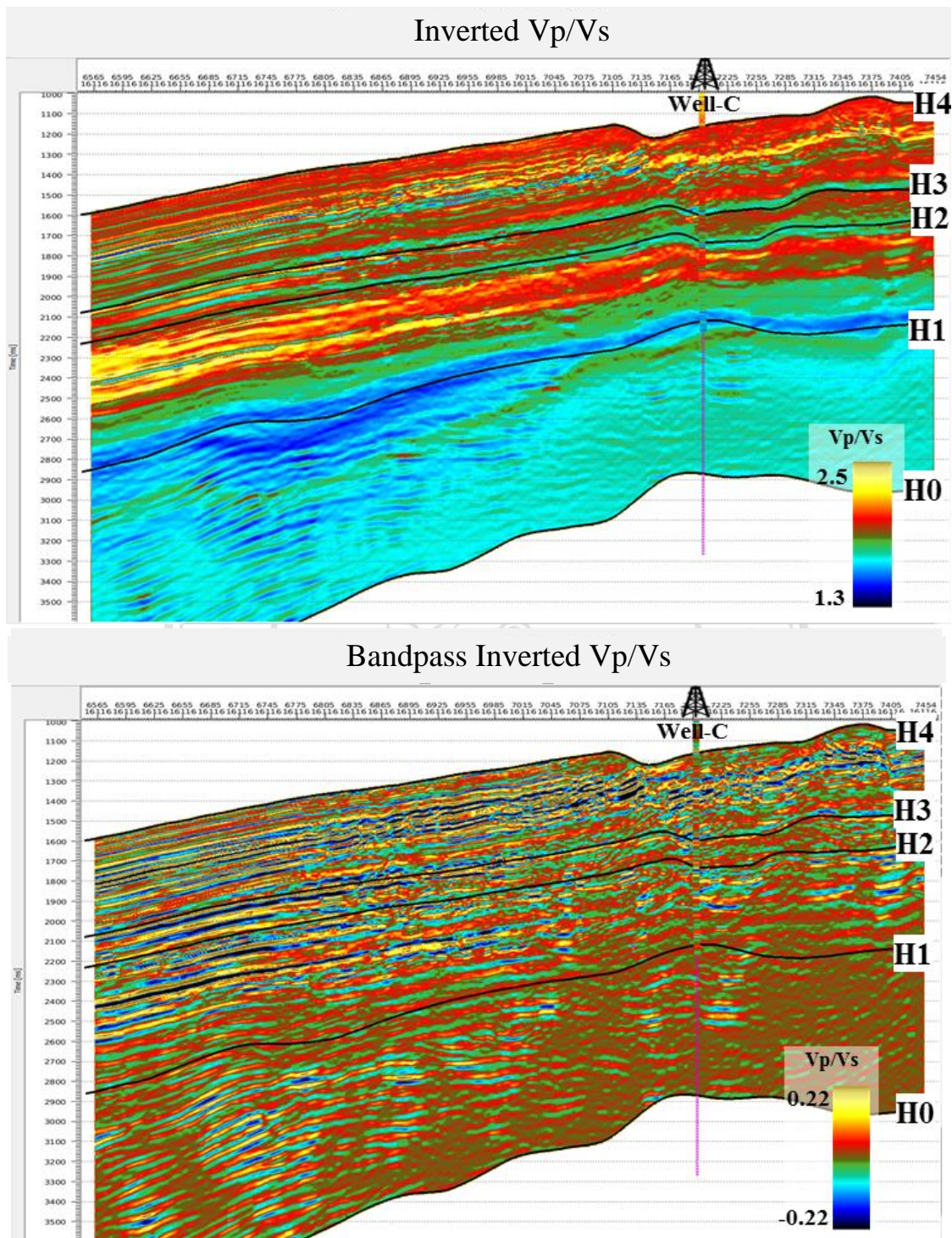


Figure C-54 Crossline 16116 section of final absolute Vp/Vs comparing with Vp/Vs logs at Well-C (top). Bandpass filtering were applied to both inverted Vp/Vs and well data to create comparable relative inversion results (bottom).

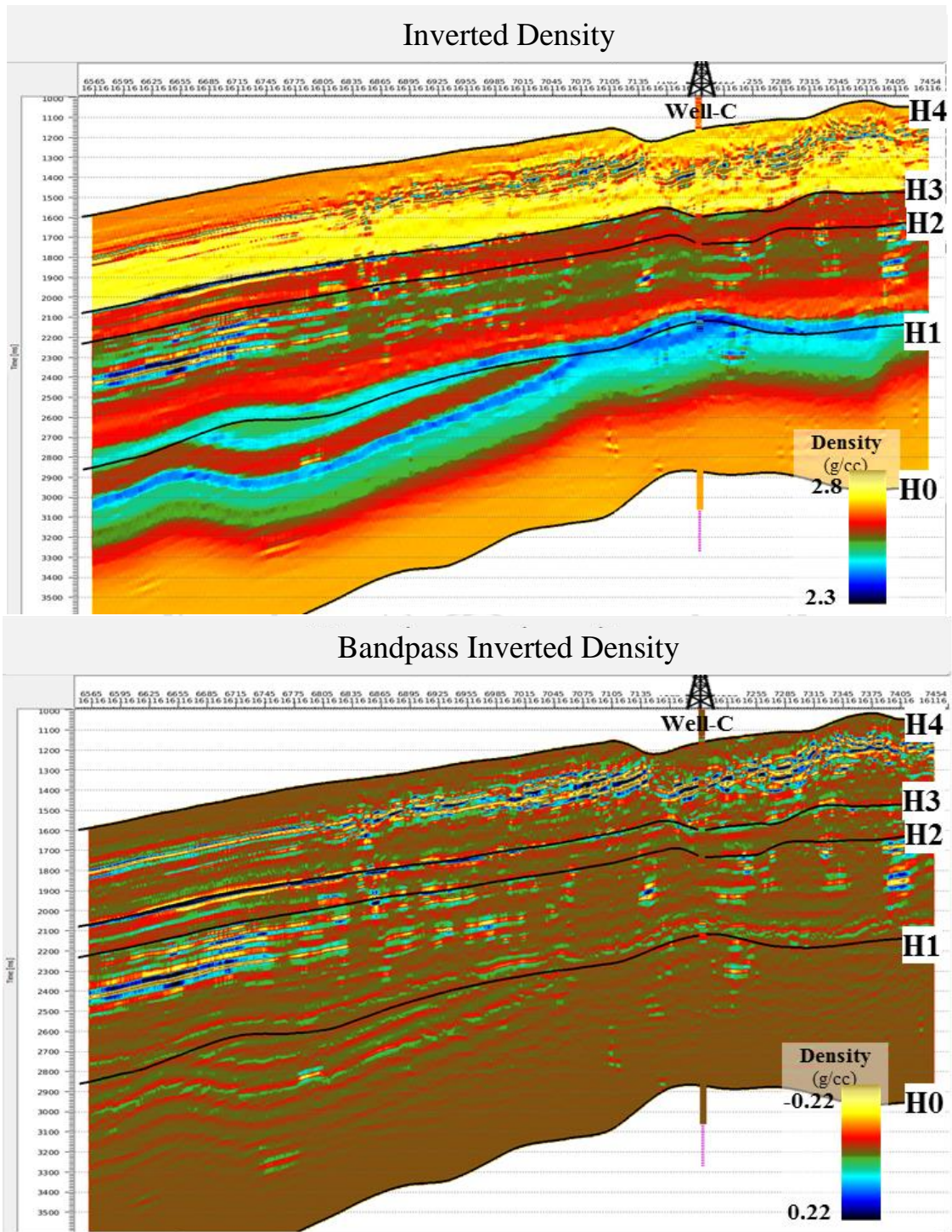


Figure C-55 Crossline 16116 section of final absolute density comparing with density logs at Well-C (top). Bandpass filtering were applied to both inverted density and well data to create comparable relative inversion results (bottom).

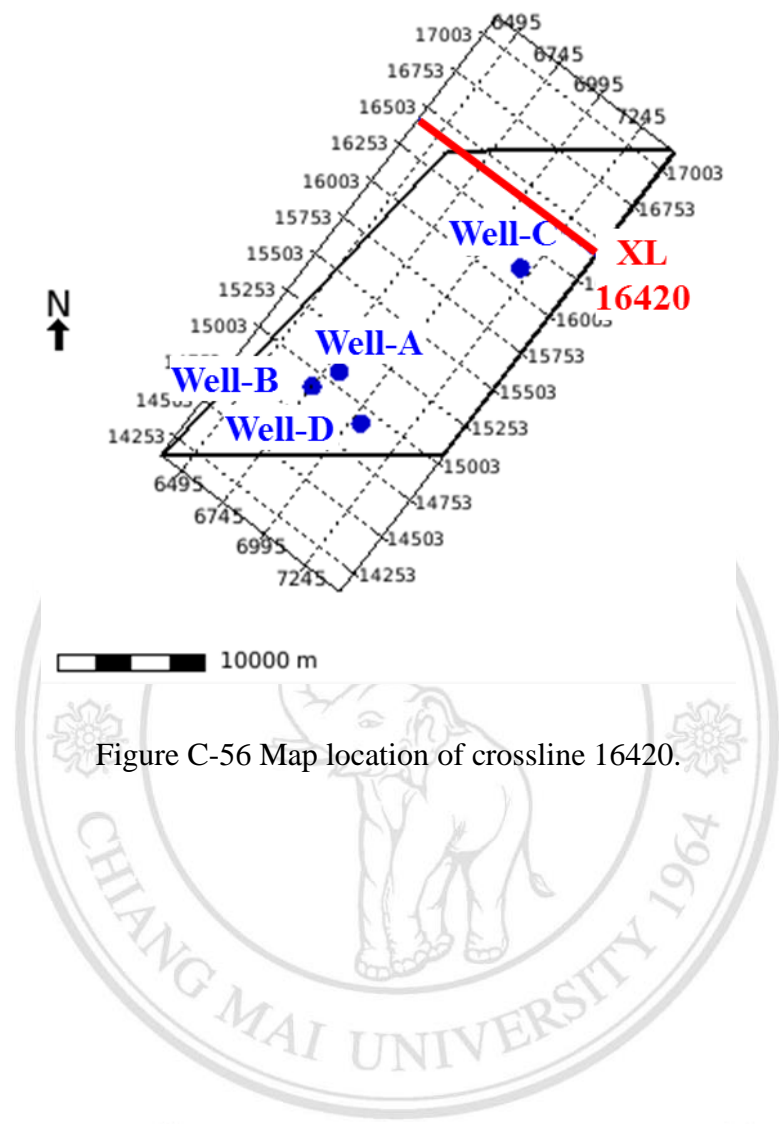


Figure C-56 Map location of crossline 16420.

ลิขสิทธิ์มหาวิทยาลัยเชียงใหม่
 Copyright© by Chiang Mai University
 All rights reserved

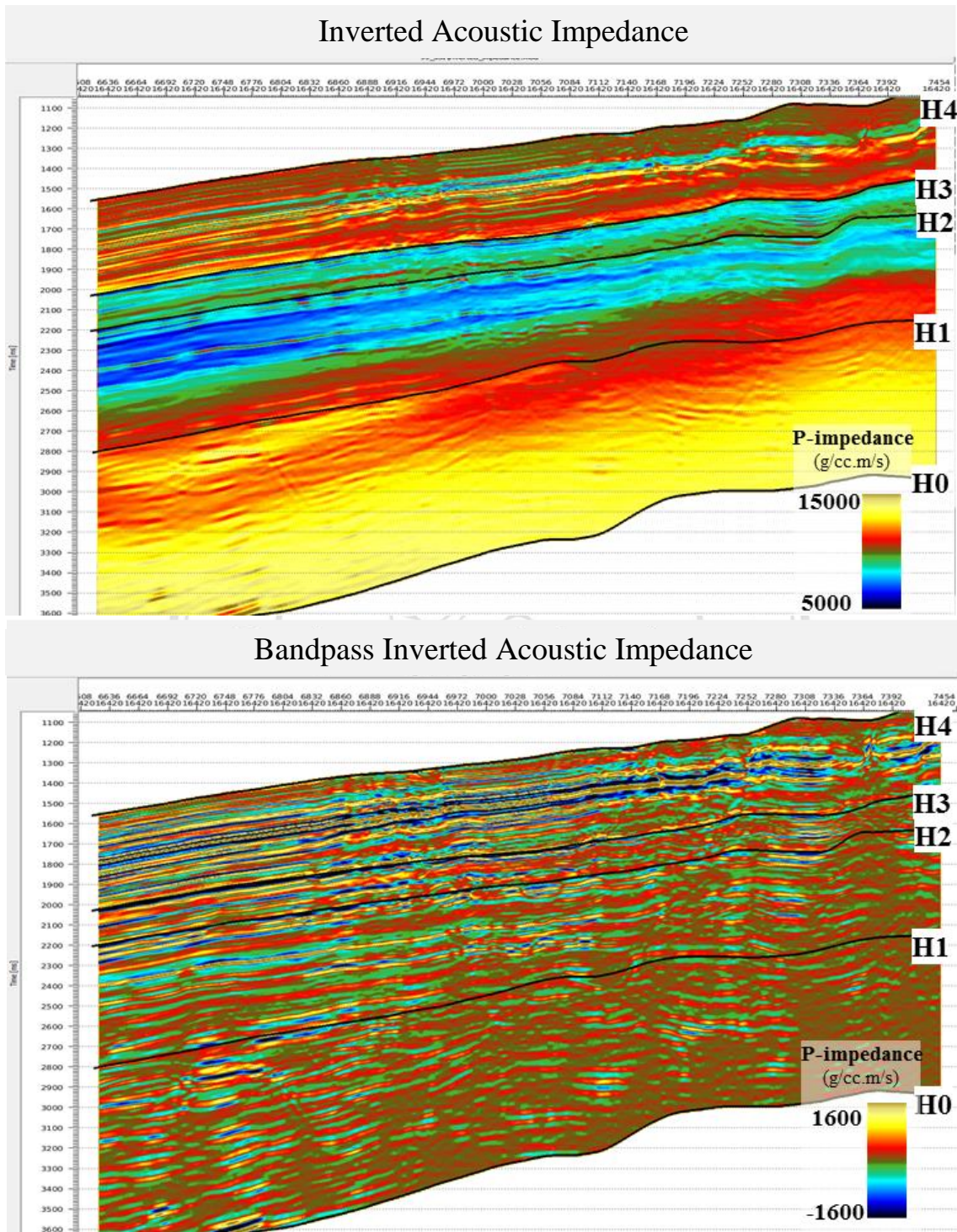


Figure C-57 Crossline 16420 section of final absolute acoustic impedance (top) and bandpass filtering were applied to inverted acoustic impedance to create comparable relative inversion results (bottom).

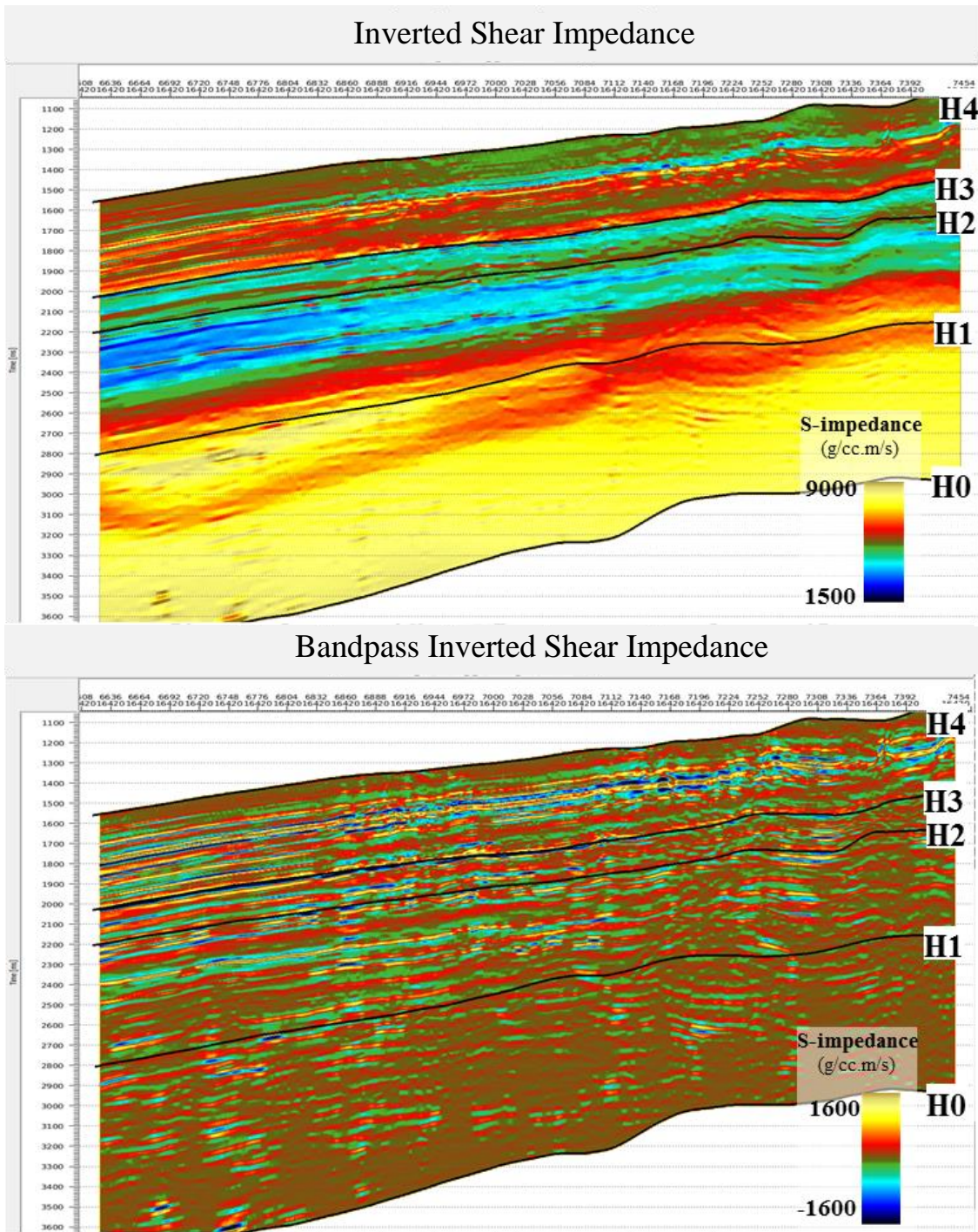


Figure C-58 Crossline 16420 section of final absolute shear impedance (top) and bandpass filtering were applied to inverted shear impedance to create comparable relative inversion results (bottom).

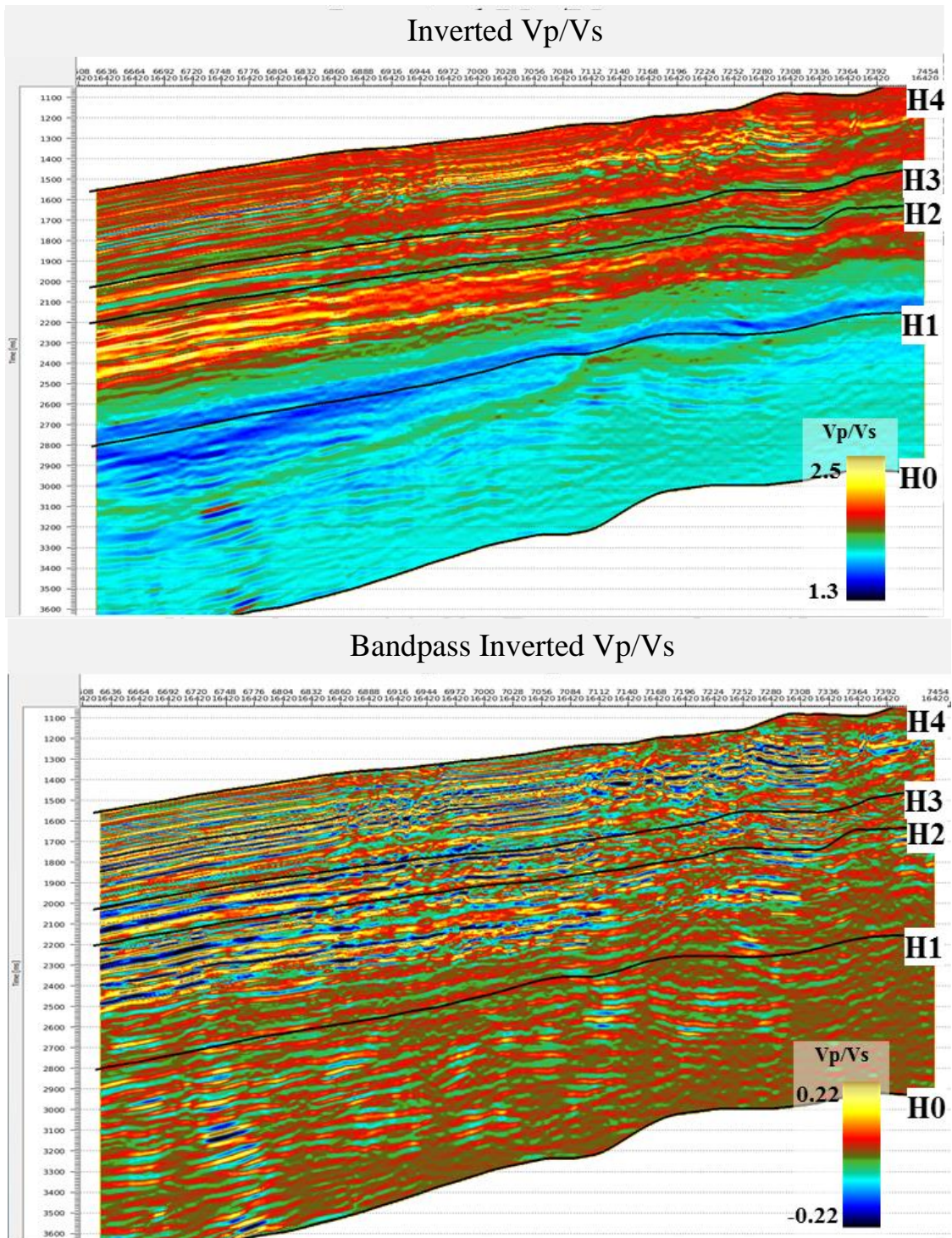


Figure C-59 Crossline 16420 section of final absolute Vp/Vs (top) and bandpass filtering were applied to inverted Vp/Vs to create comparable relative inversion results (bottom).

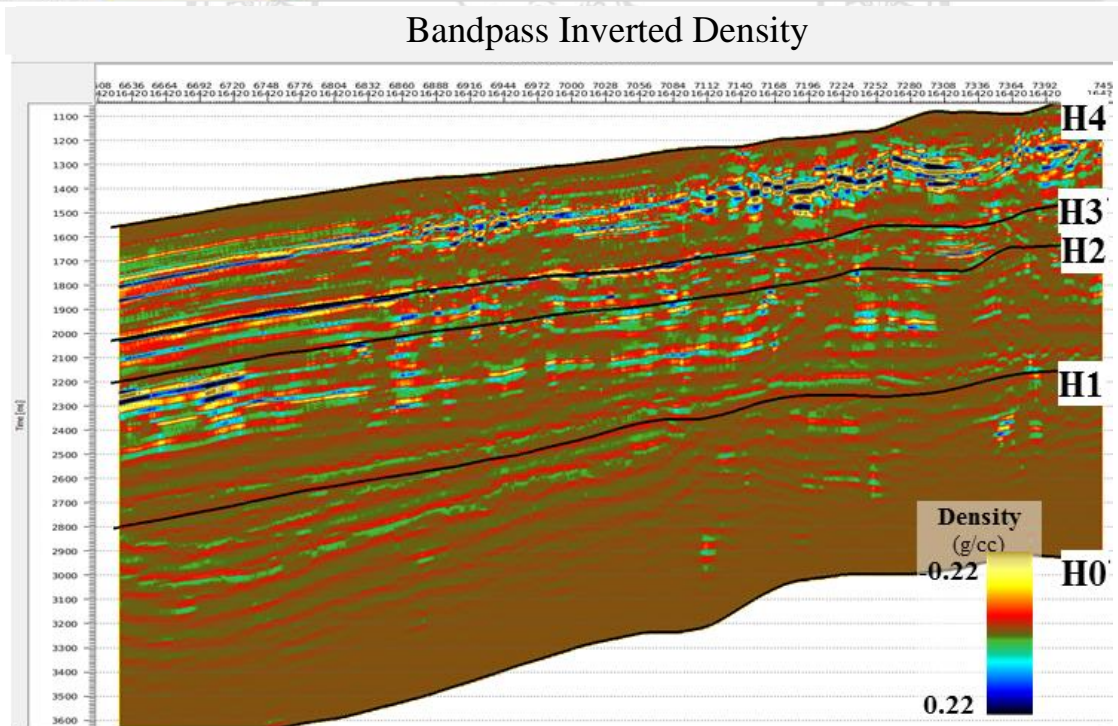
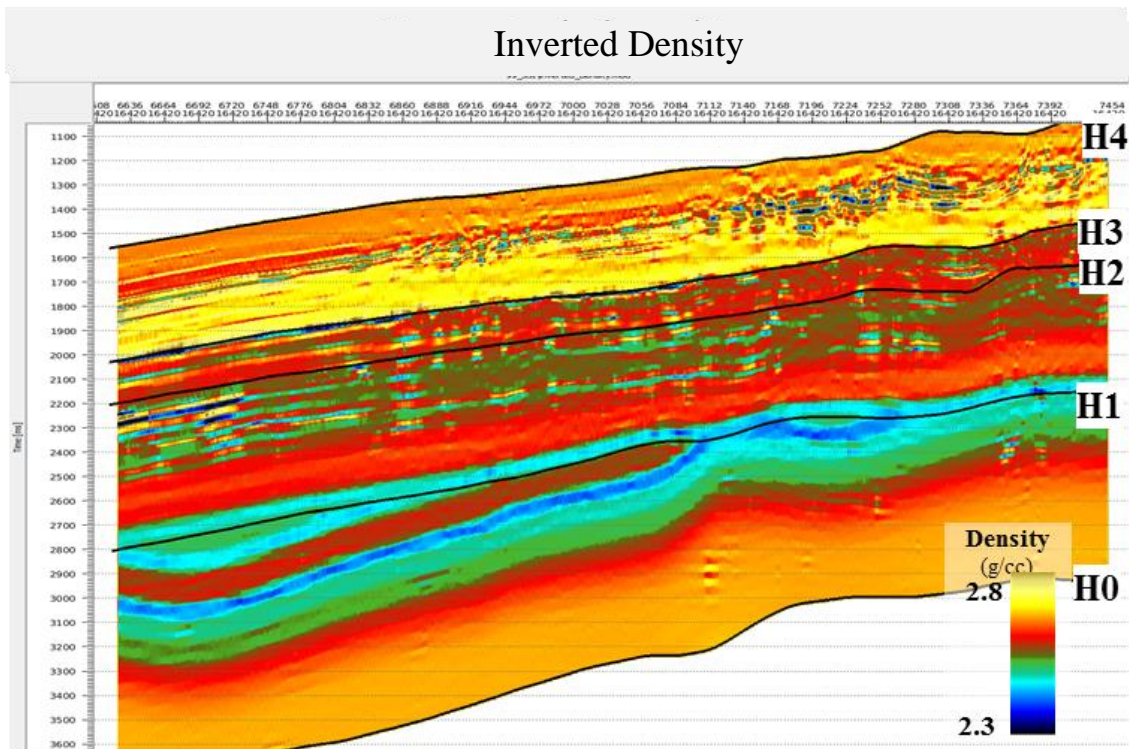


Figure C-60 Crossline 16420 section of final absolute density (top) and bandpass filtering were applied to inverted density to create comparable

APPENDIX D

Lithofacies Classification

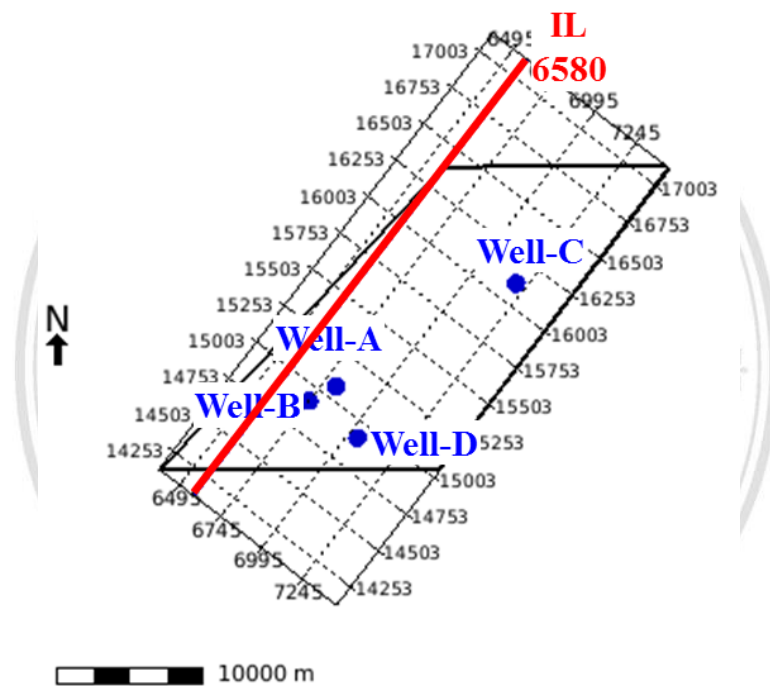


Figure D-1 Map location of inline 6580.

ลิขสิทธิ์มหาวิทยาลัยเชียงใหม่
Copyright© by Chiang Mai University
All rights reserved

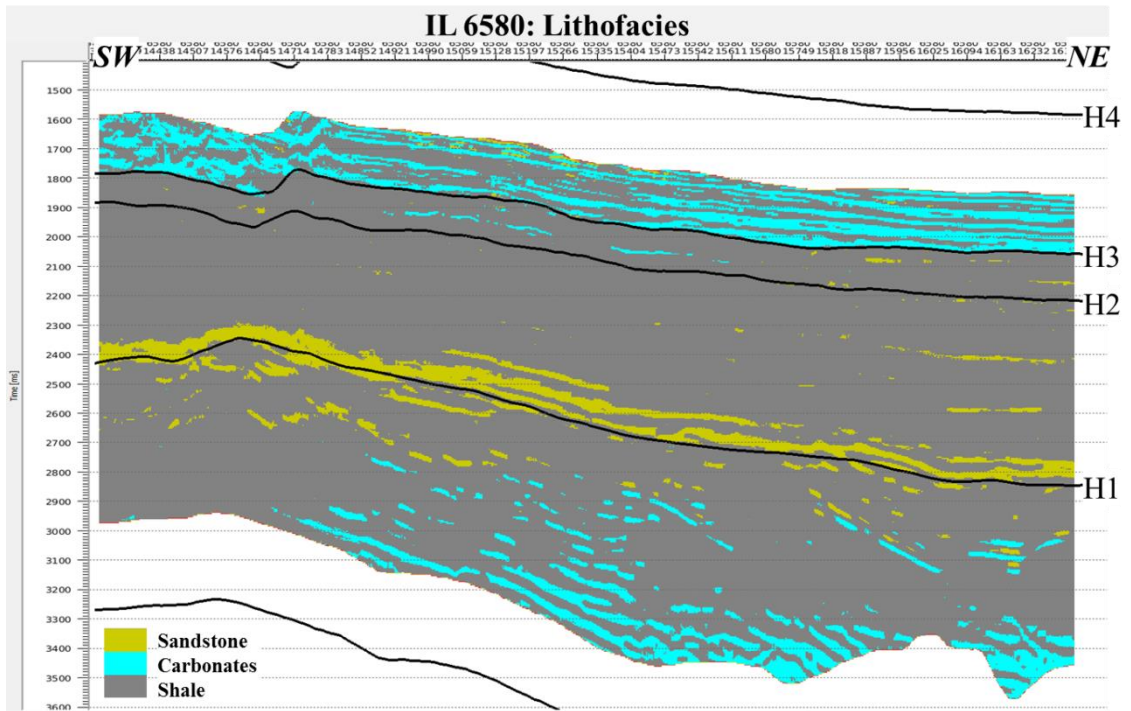


Figure D-2 Inline 6580 section showing lithofacies (most probable).

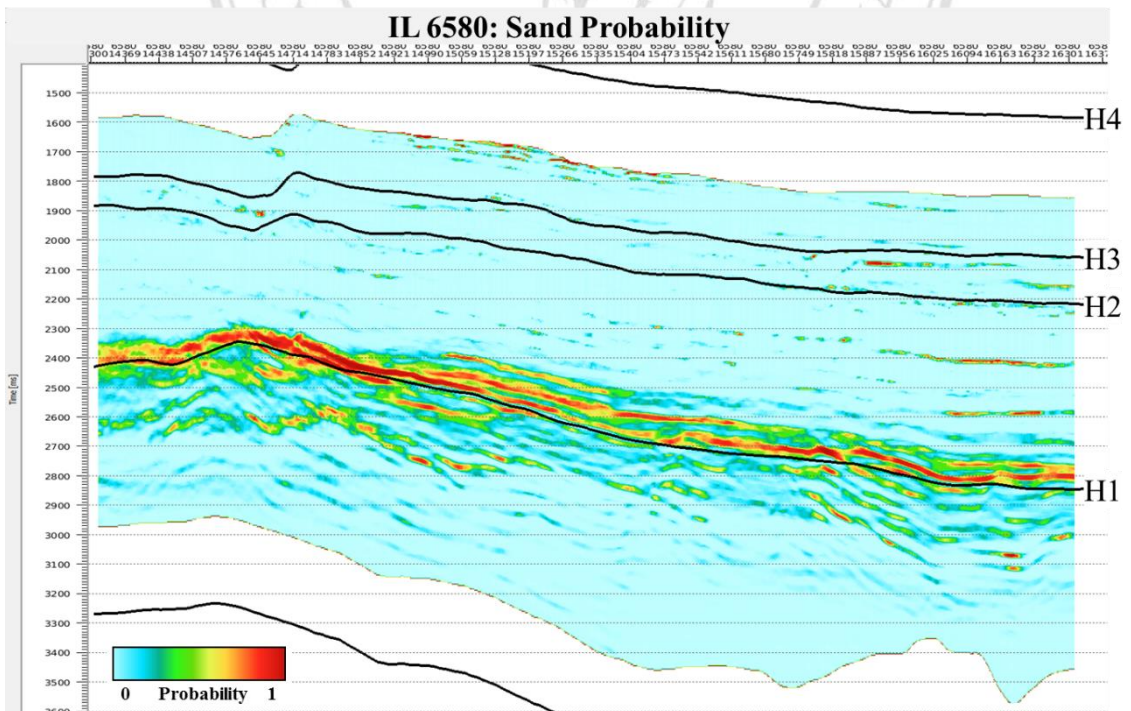


Figure D-3 Inline 6580 section showing the distribution of sand probability.

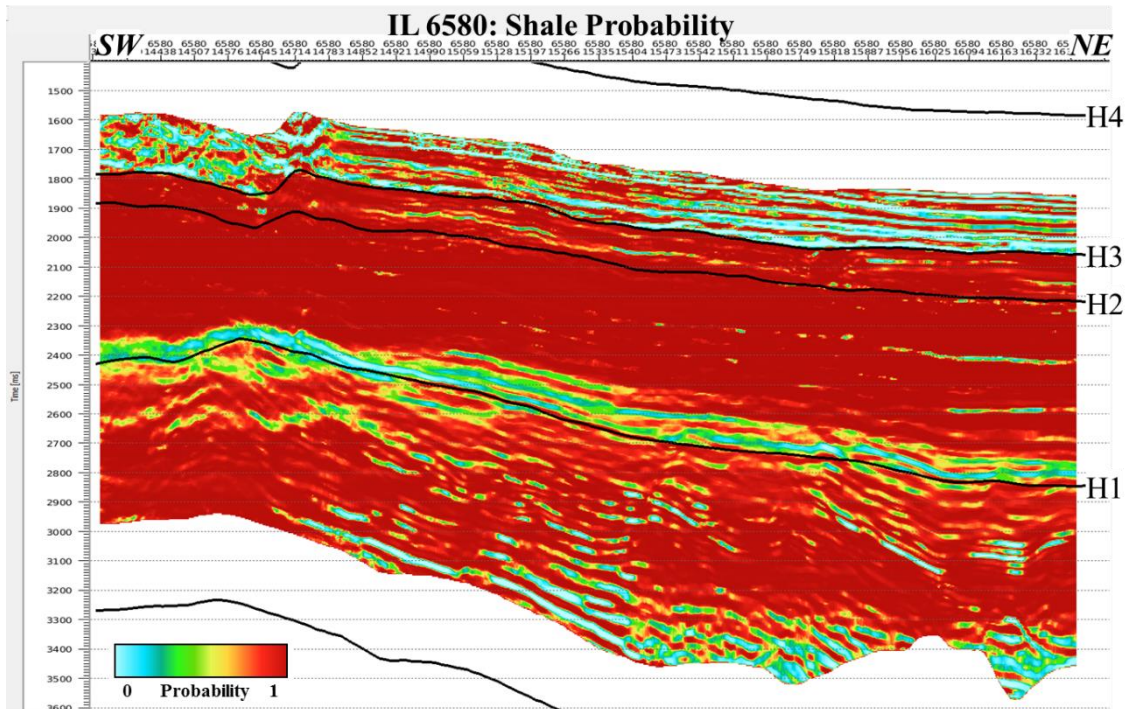


Figure D-4 Inline 6580 section showing the distribution of shale probability.

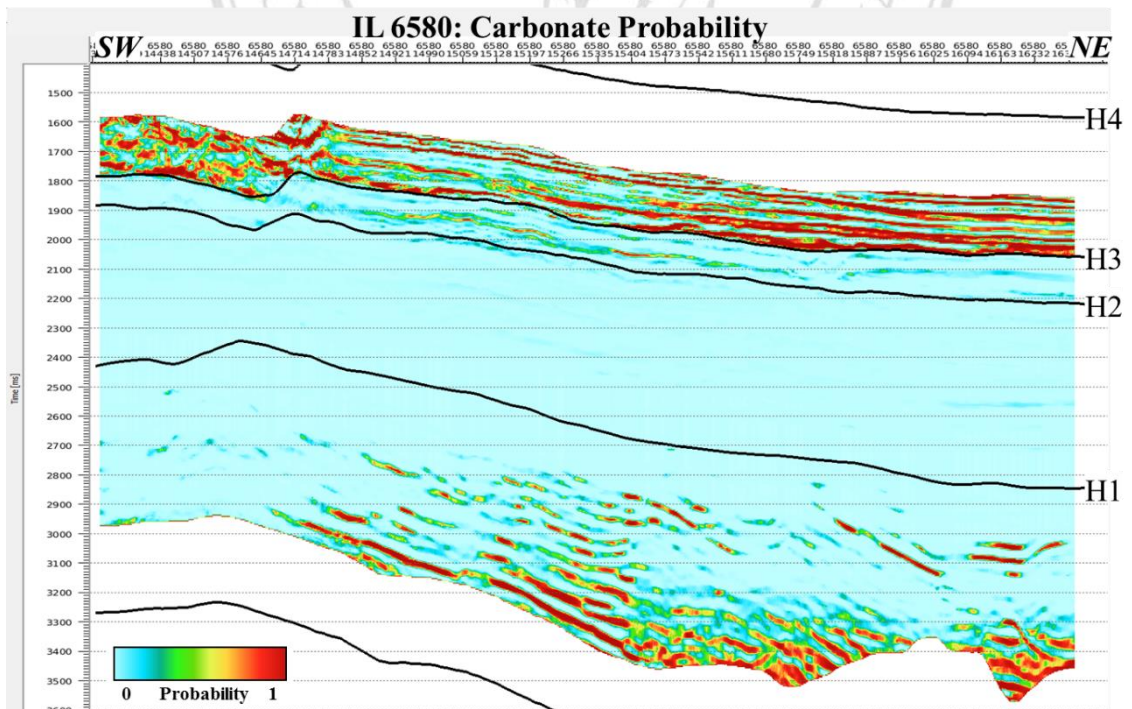


Figure D-5 Inline 6580 section showing the distribution of carbonate probability.

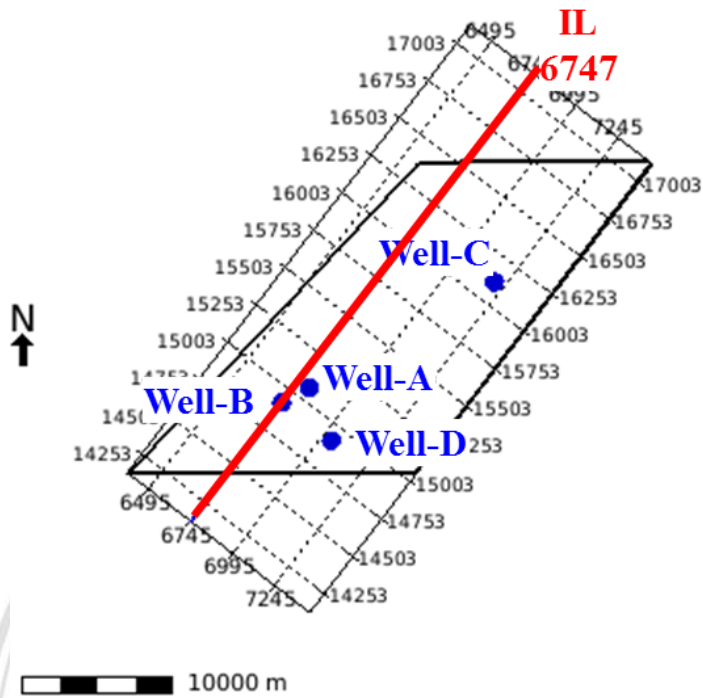


Figure D-6 Map location of inline 6747 that passed through Well-B location.

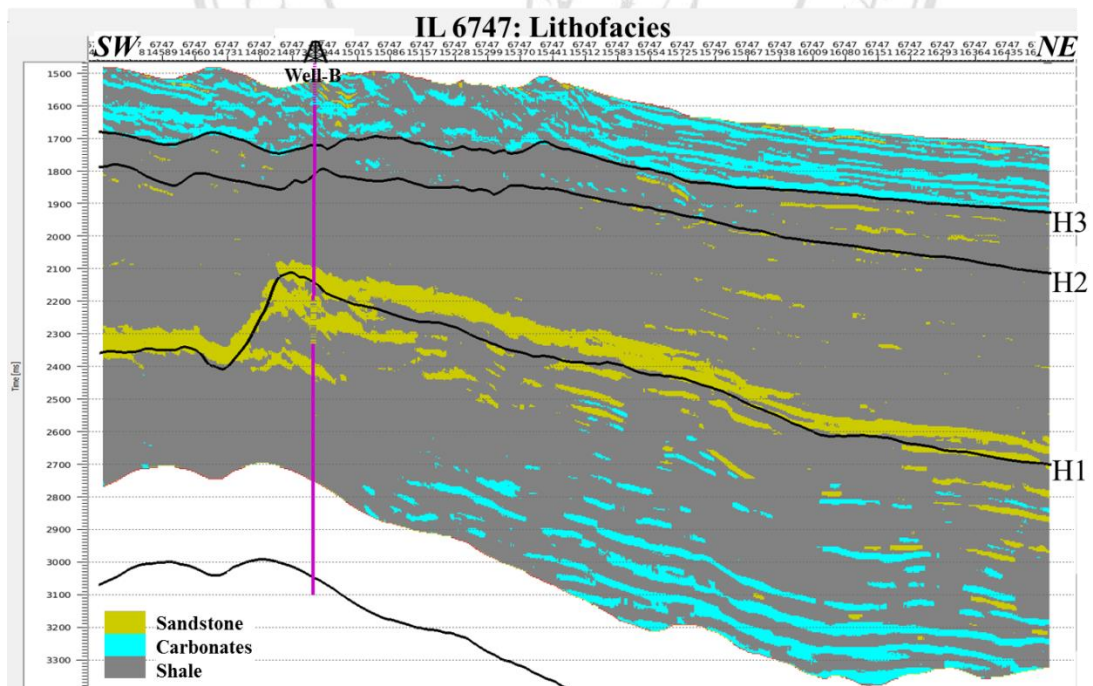


Figure D-7 Inline 6747 section showing lithology log of Well-B was properly captured by the lithofacies cube (most probable).

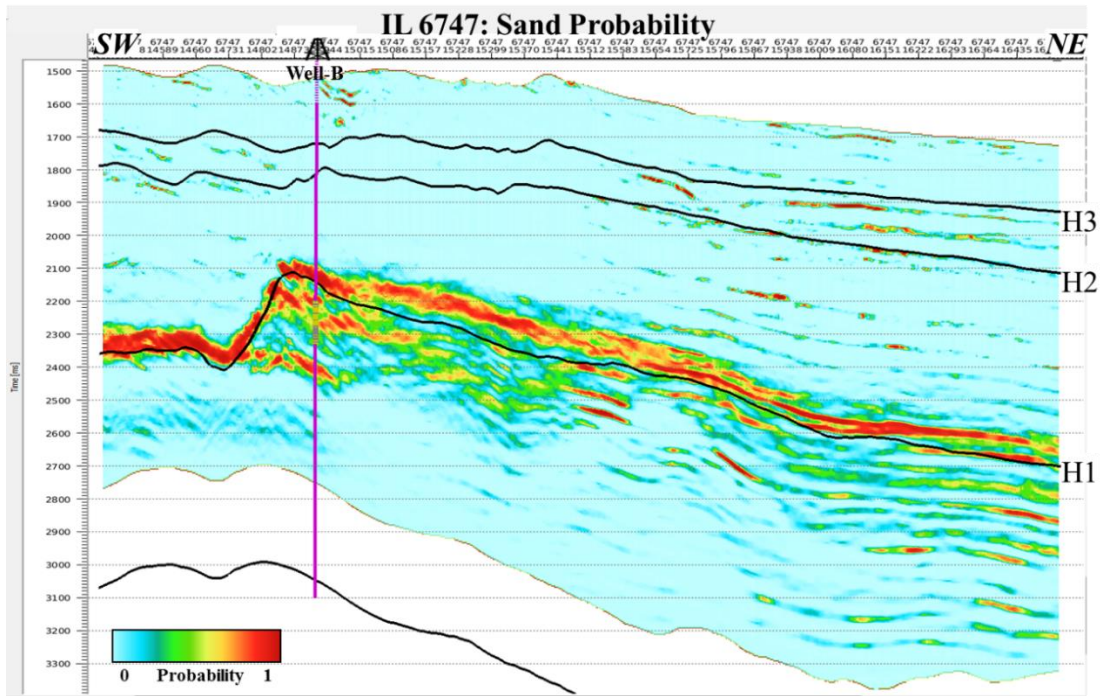


Figure D-8 Inline 6747 section showing the distribution of sand probability.

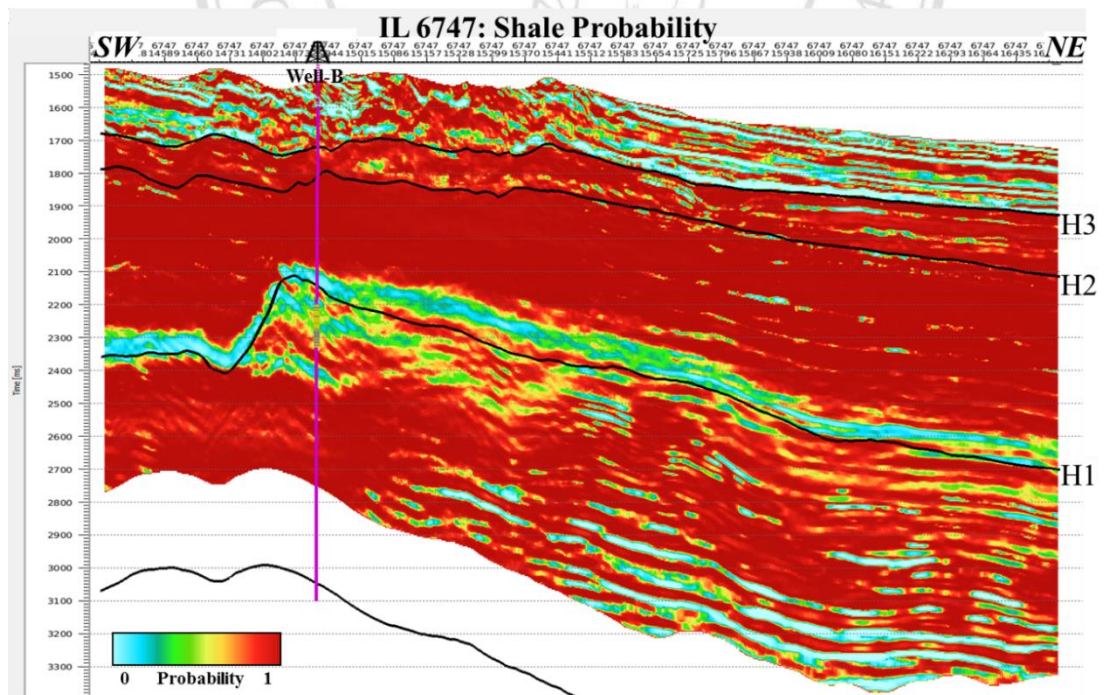


Figure D-9 Inline 6747 section showing the distribution of shale probability.

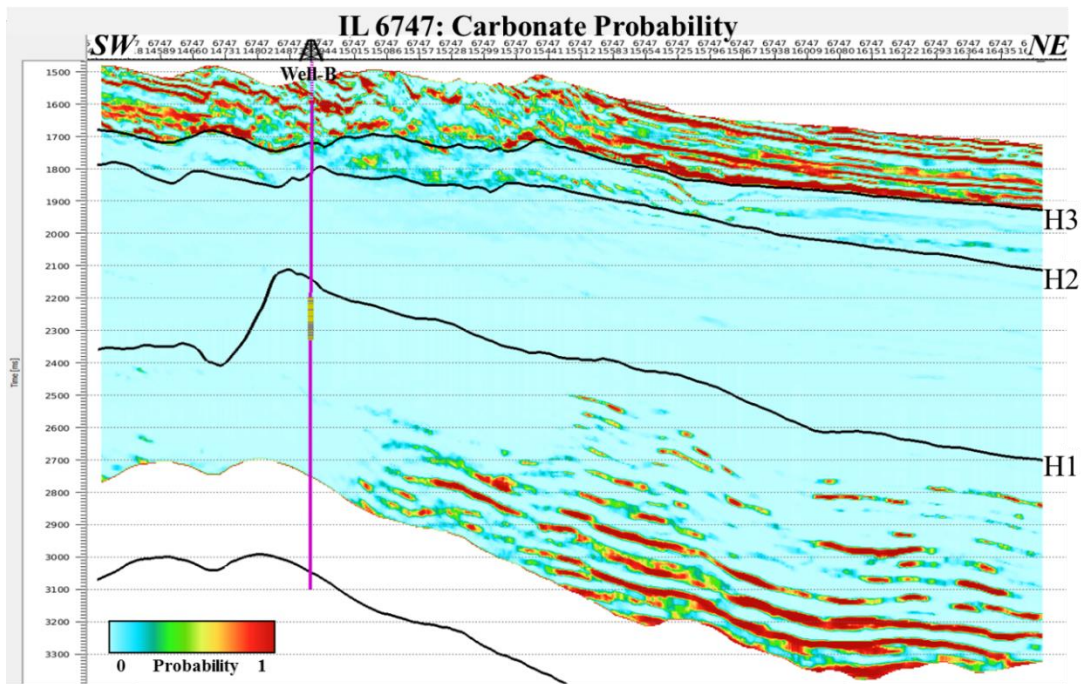


Figure D-10 Inline 6747 section showing the distribution of carbonate probability.

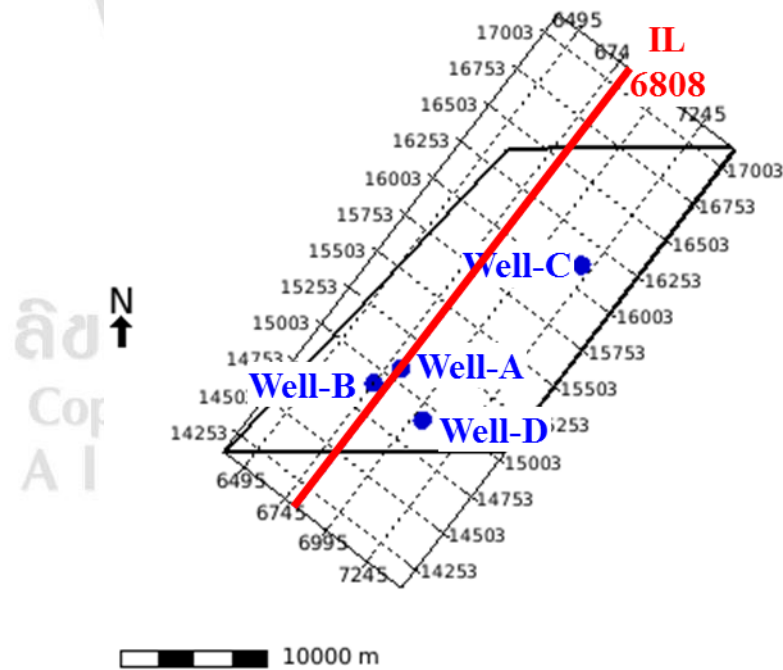


Figure D-11 Map location of inline 6808 that passed through Well-A location.

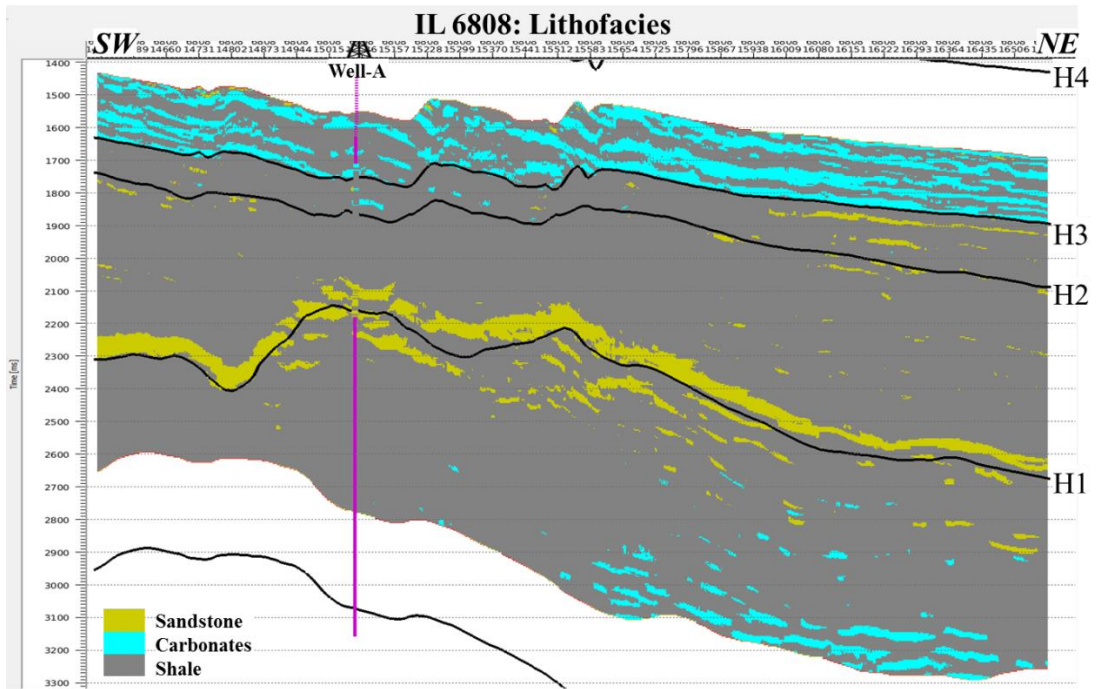


Figure D-12 Inline 6808 section showing lithology log of Well-A was properly captured by the lithofacies cube (most probable).

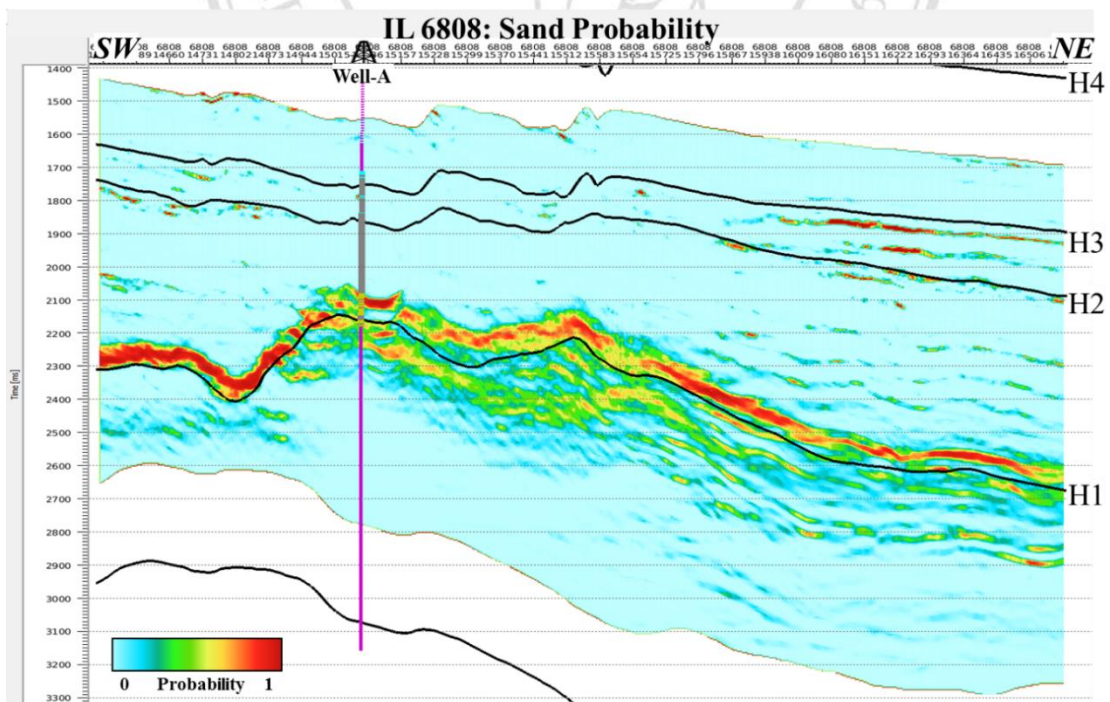


Figure D-13 Inline 6808 section showing the distribution of sand probability.

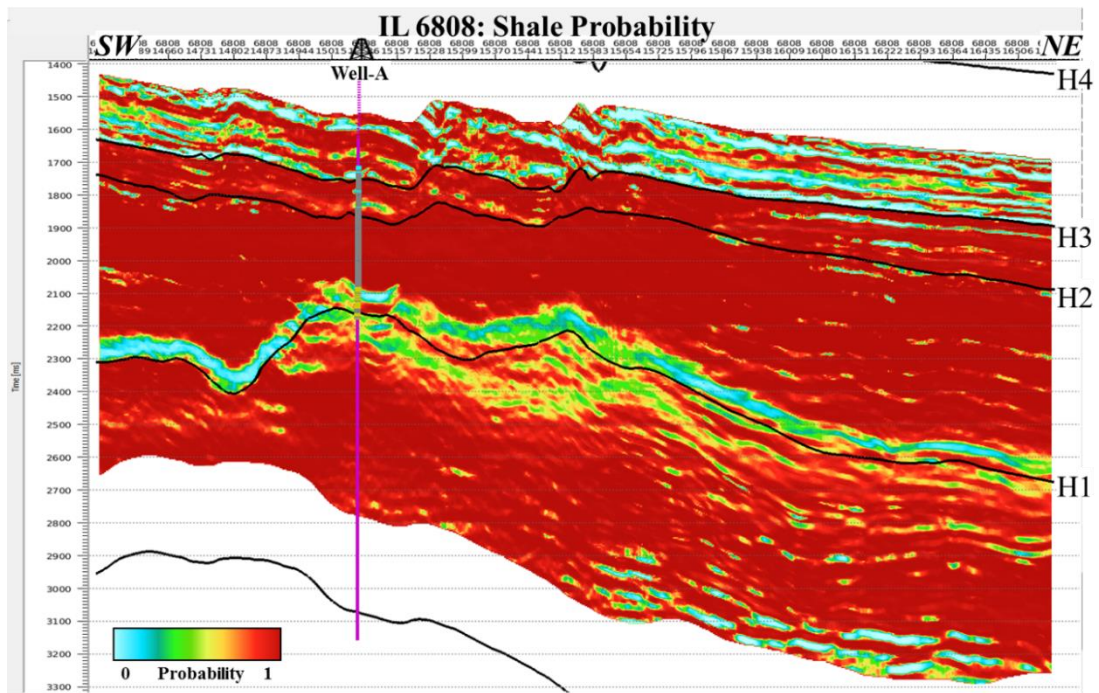


Figure D-14 Inline 6808 section showing the distribution of shale probability.

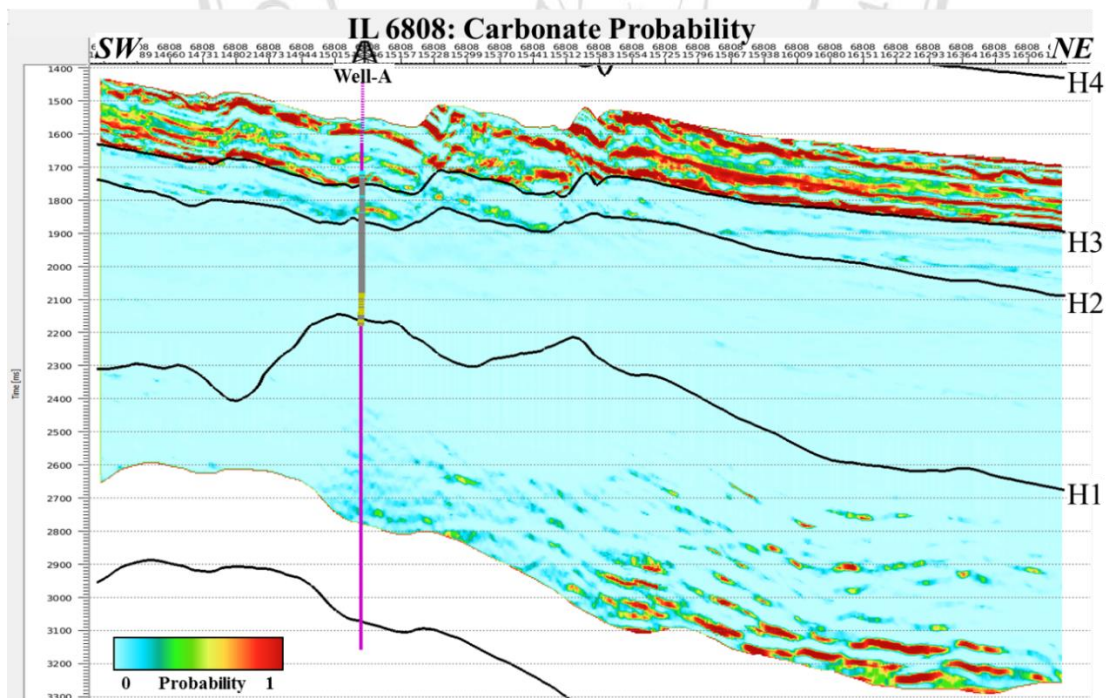


Figure D-15 Inline 6808 section showing the distribution of carbonate probability.

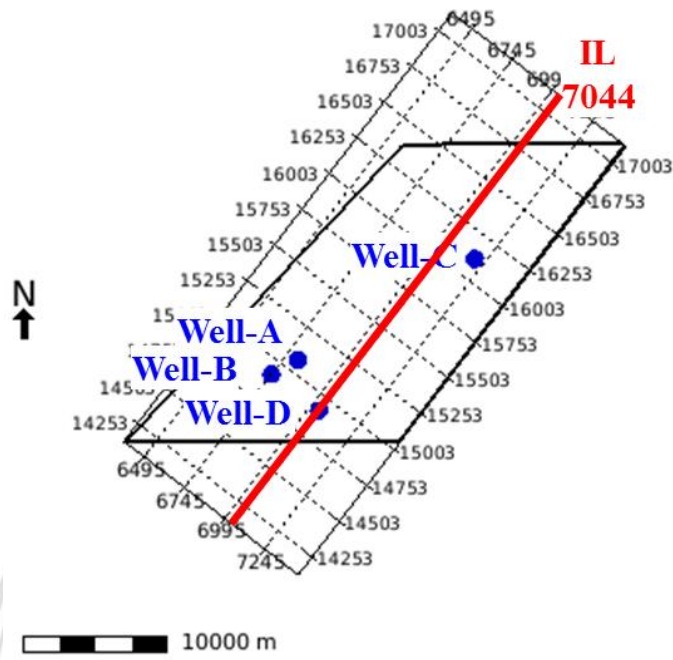


Figure D-16 Map location of inline 7044 that passed through Well-D location.

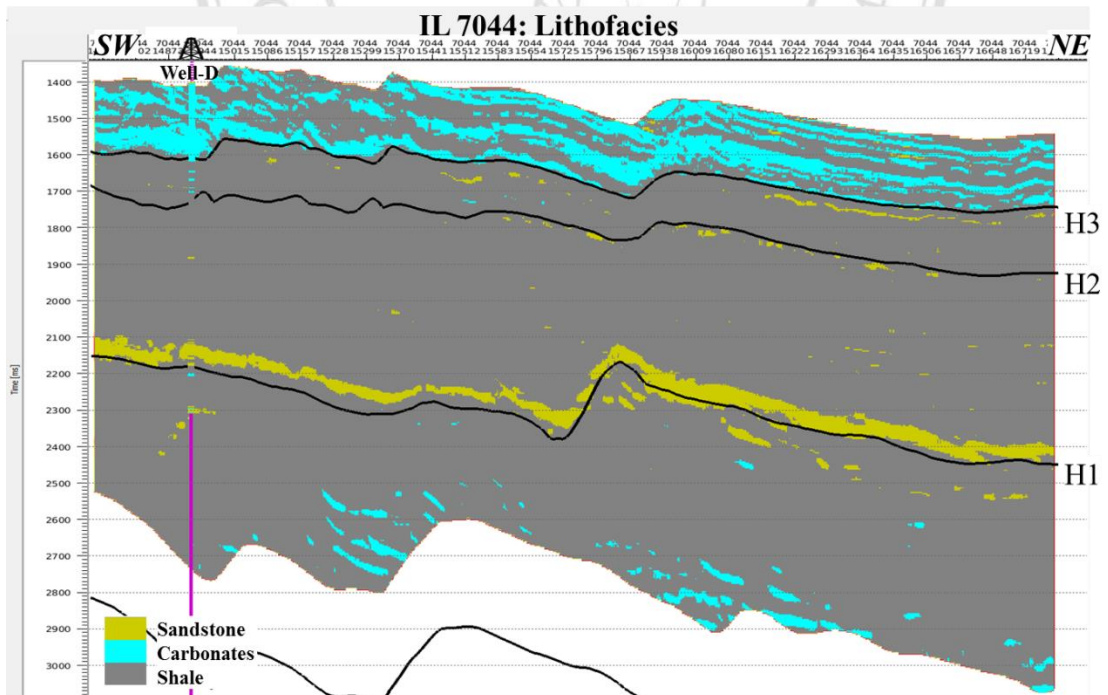


Figure D-17 Inline 7044 section showing lithology log of Well-D was properly captured by the lithofacies cube (most probable).

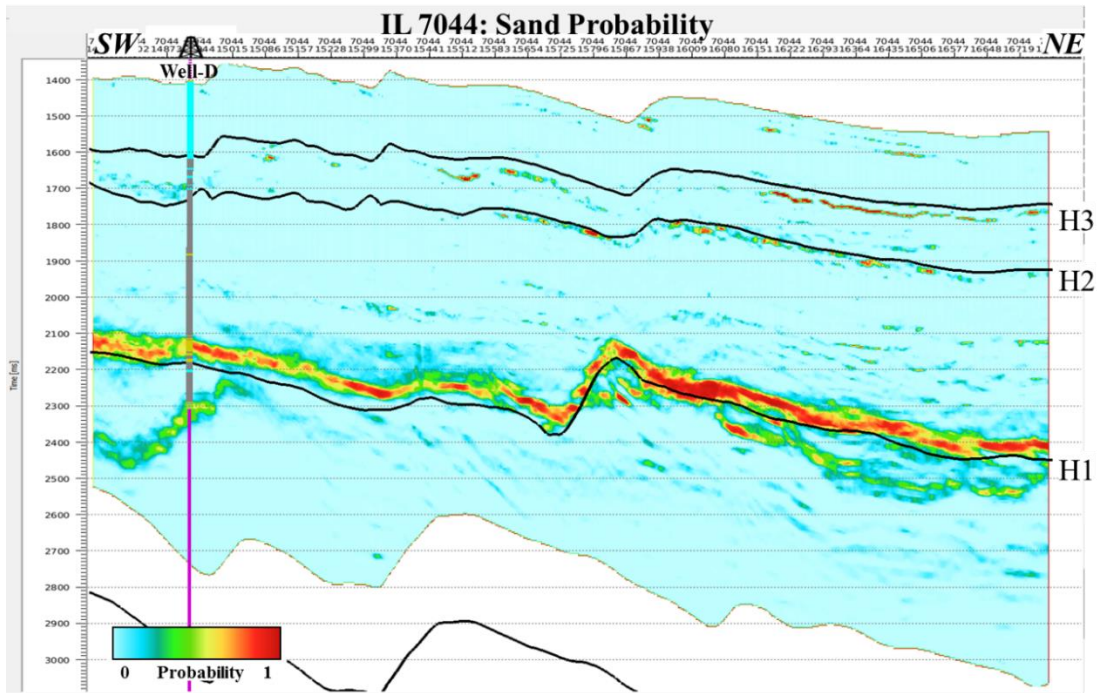


Figure D-18 Inline 7044 section showing the distribution of sand probability.

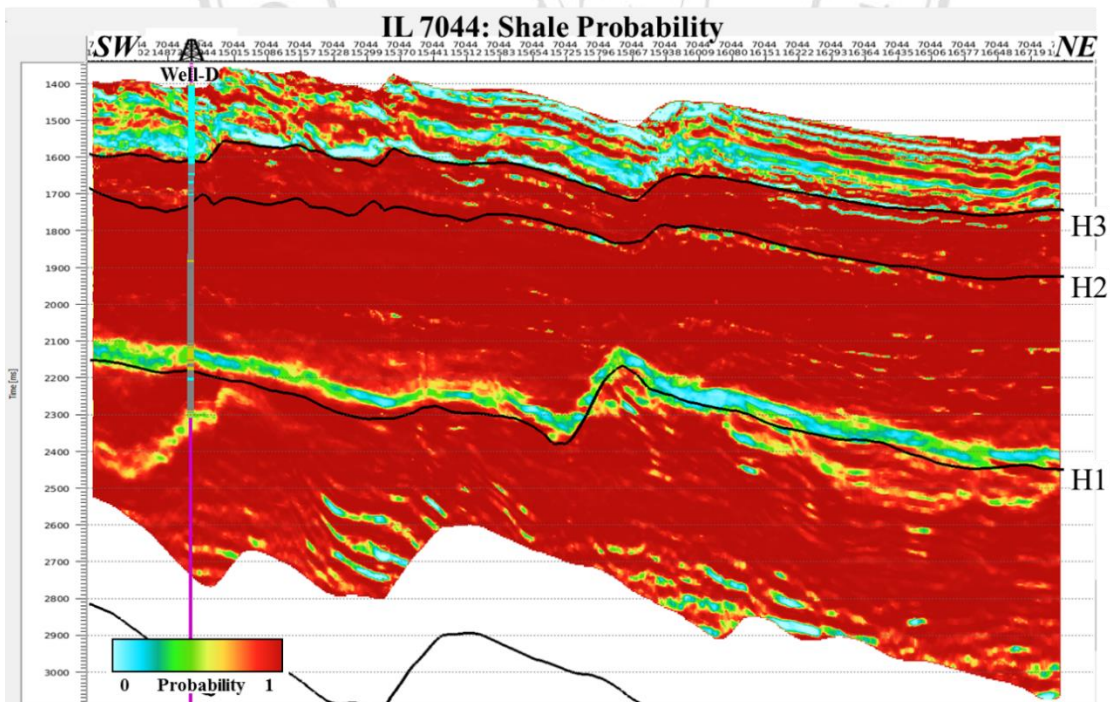


Figure D-19 Inline 7044 section showing the distribution of shale probability.

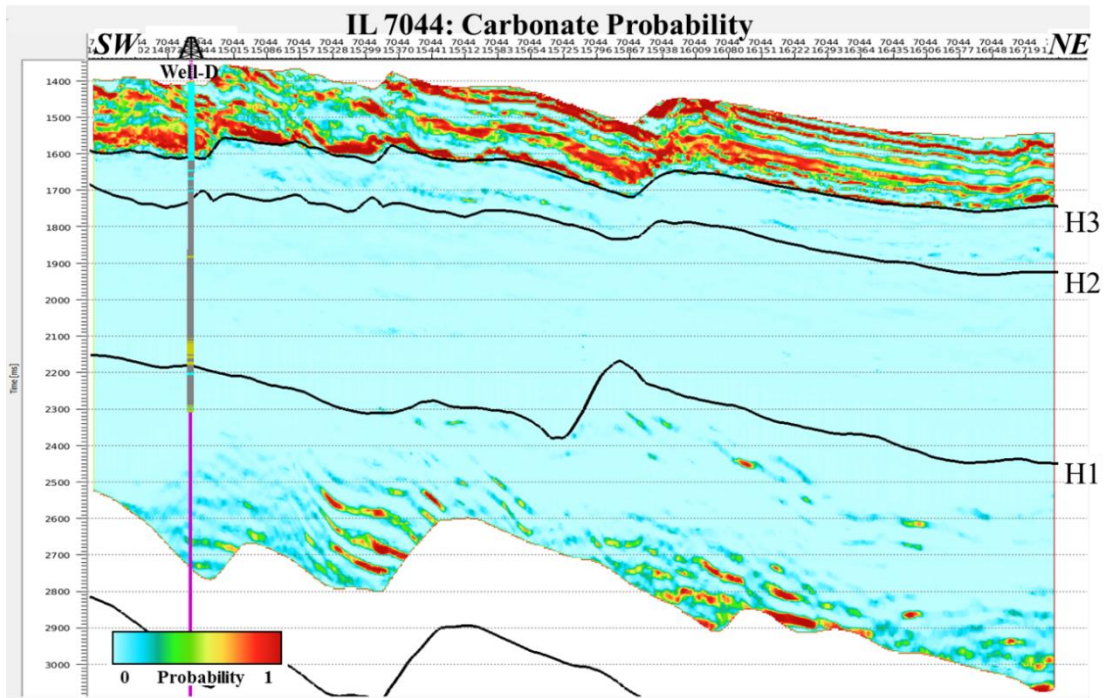


Figure D-20 Inline 7044 section showing the distribution of carbonate probability.

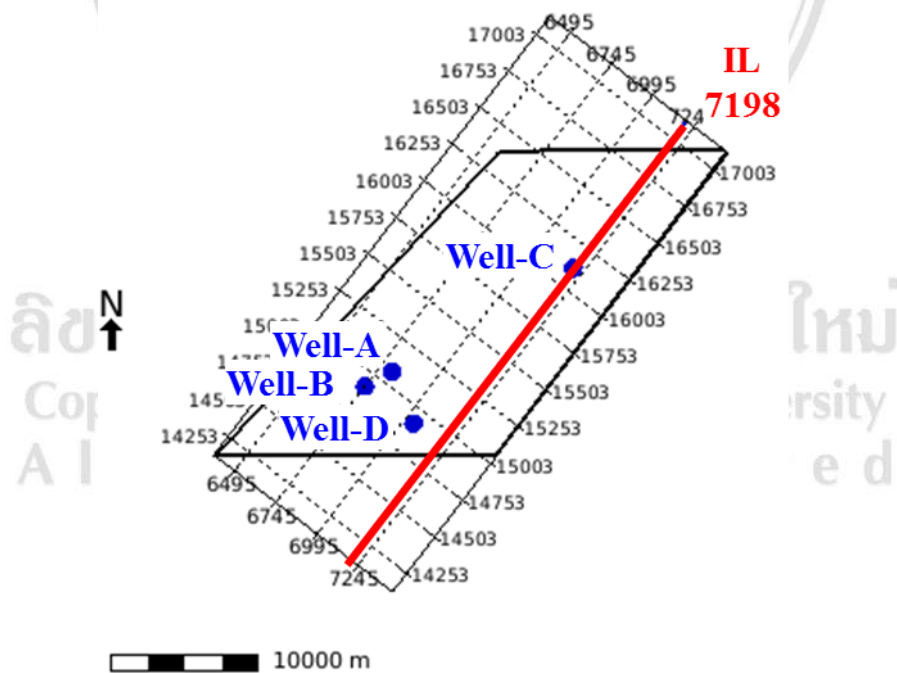


Figure D-21 Map location of inline 7198 that passed through Well-C location.

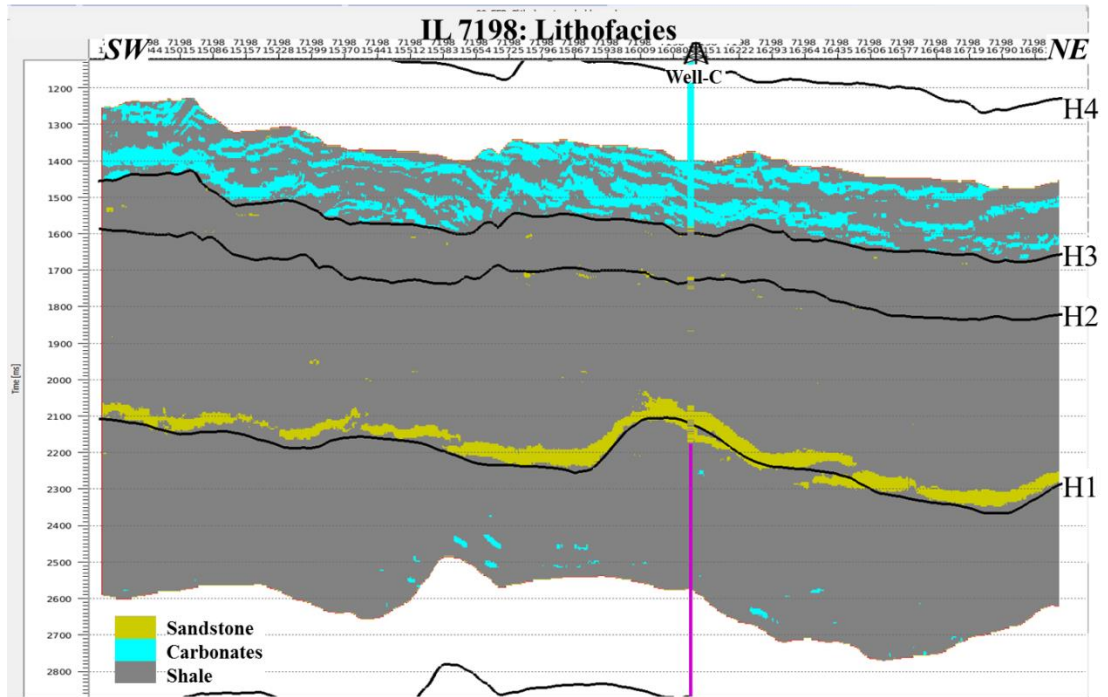


Figure D-22 Inline 7198 section showing lithology log of Well-C was properly captured by the lithofacies cube (most probable).

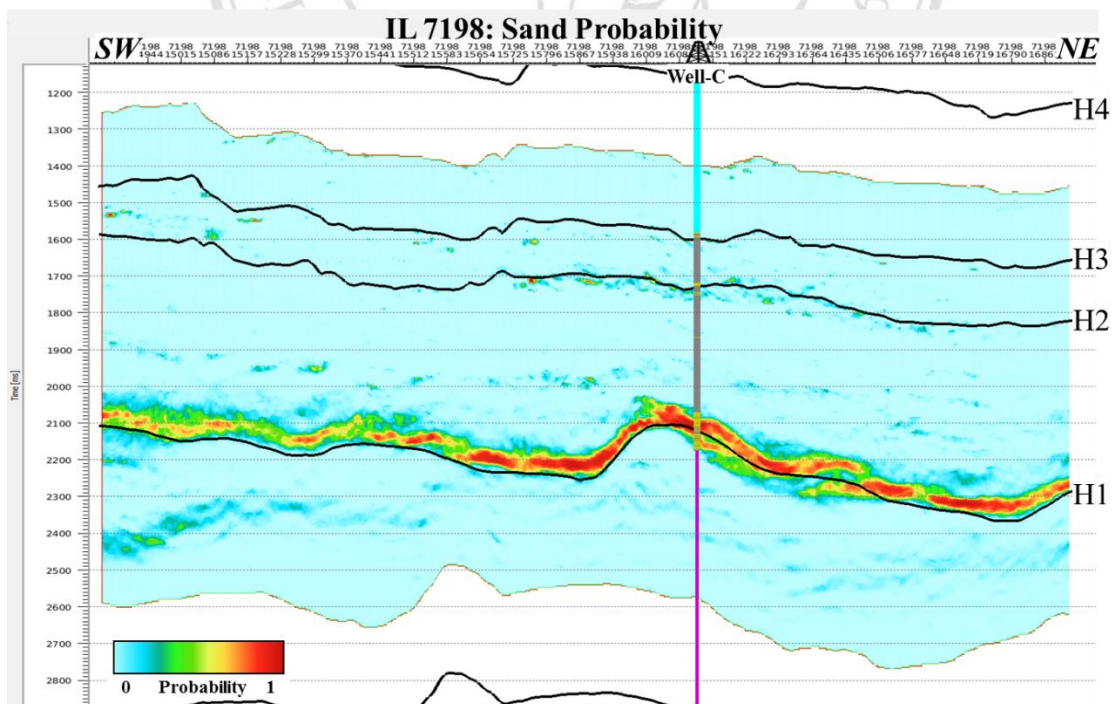


Figure D-23 Inline 7198 section showing the distribution of sand probability.

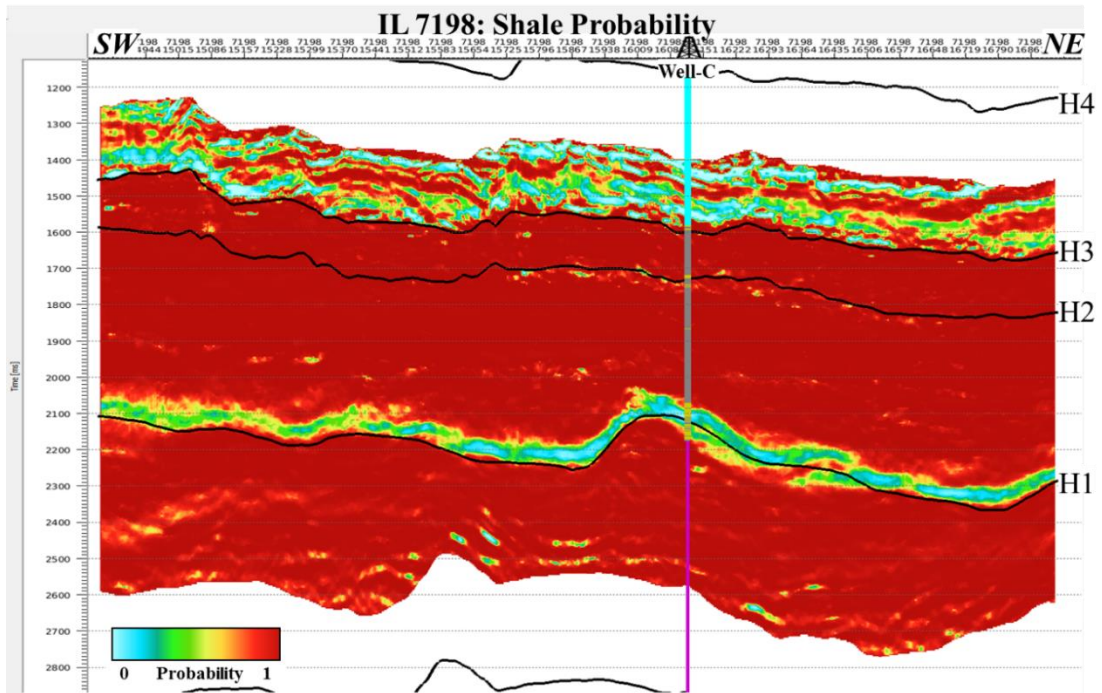


Figure D-24 Inline 7198 section showing the distribution of shale probability.

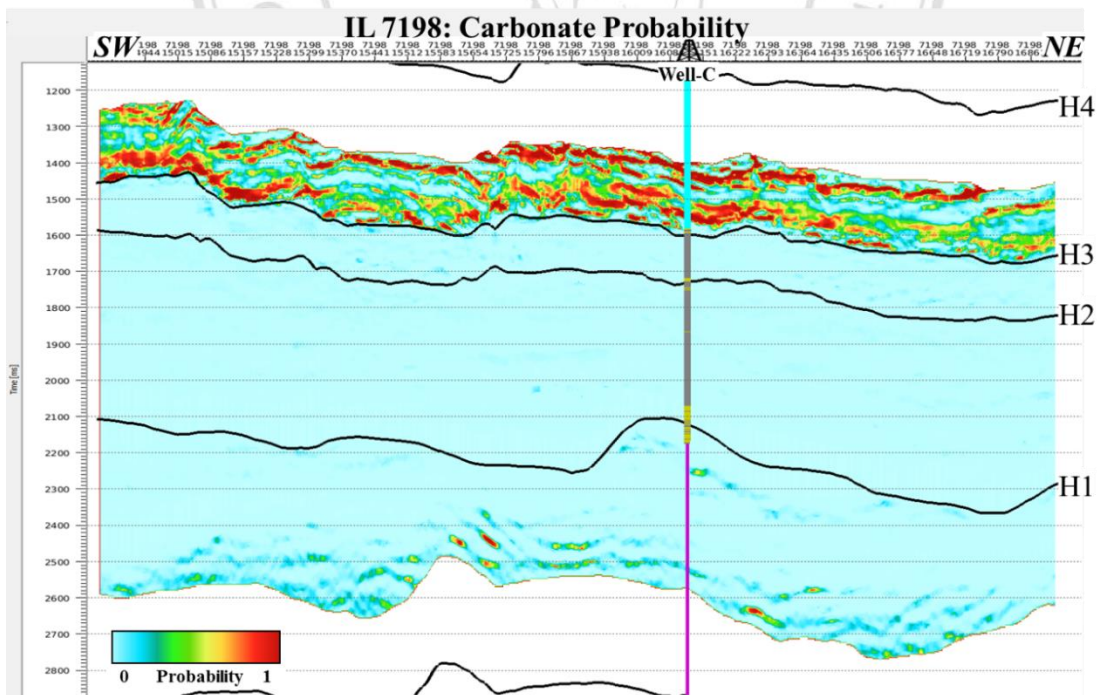


Figure D-25 Inline 7198 section showing the distribution of carbonate probability.

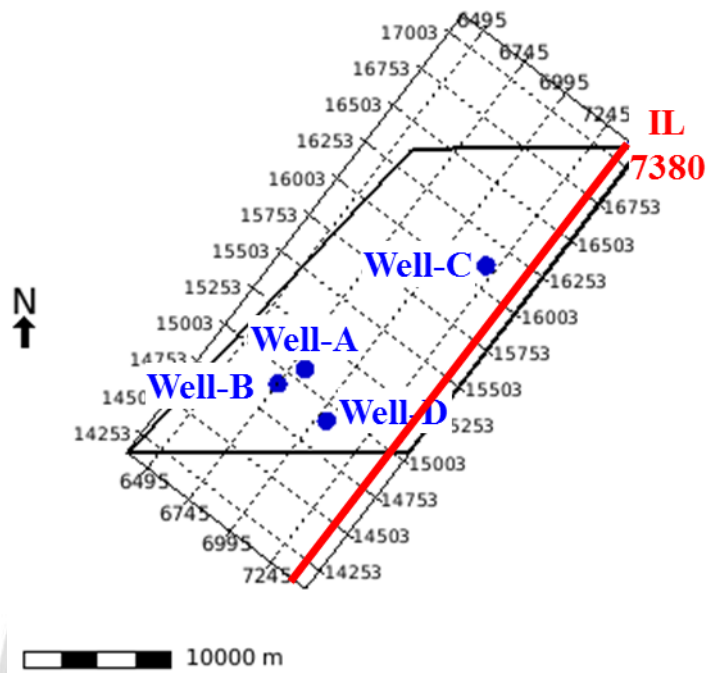


Figure D-26 Map location of inline 7380.

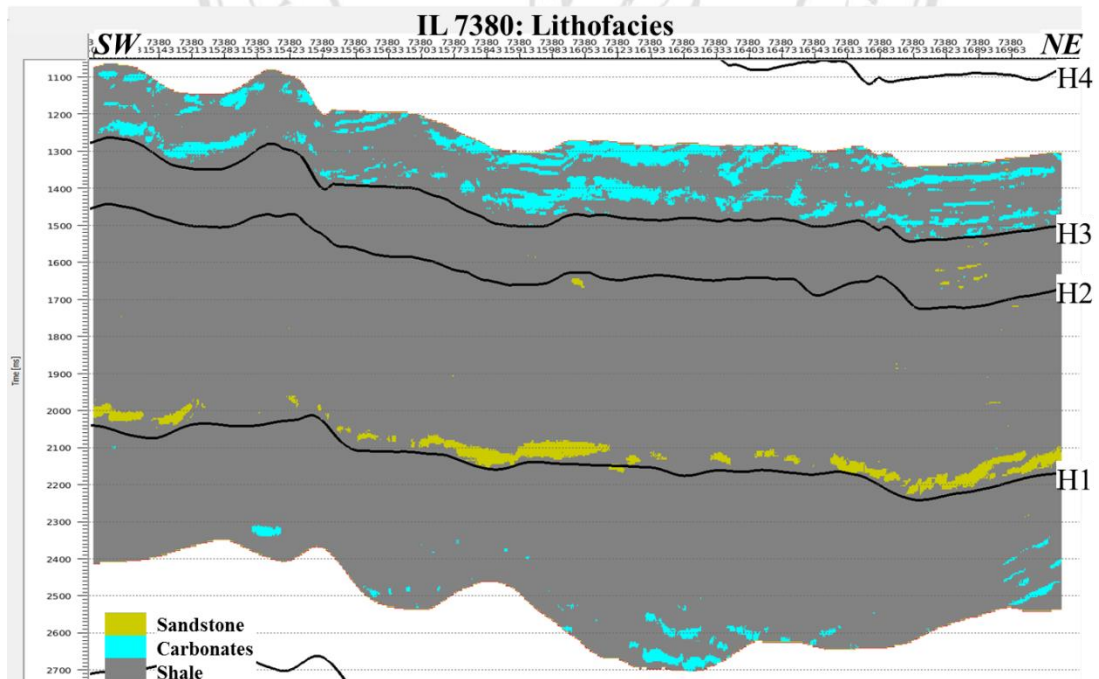


Figure D-27 Inline 7380 section showing lithofacies (most probable).

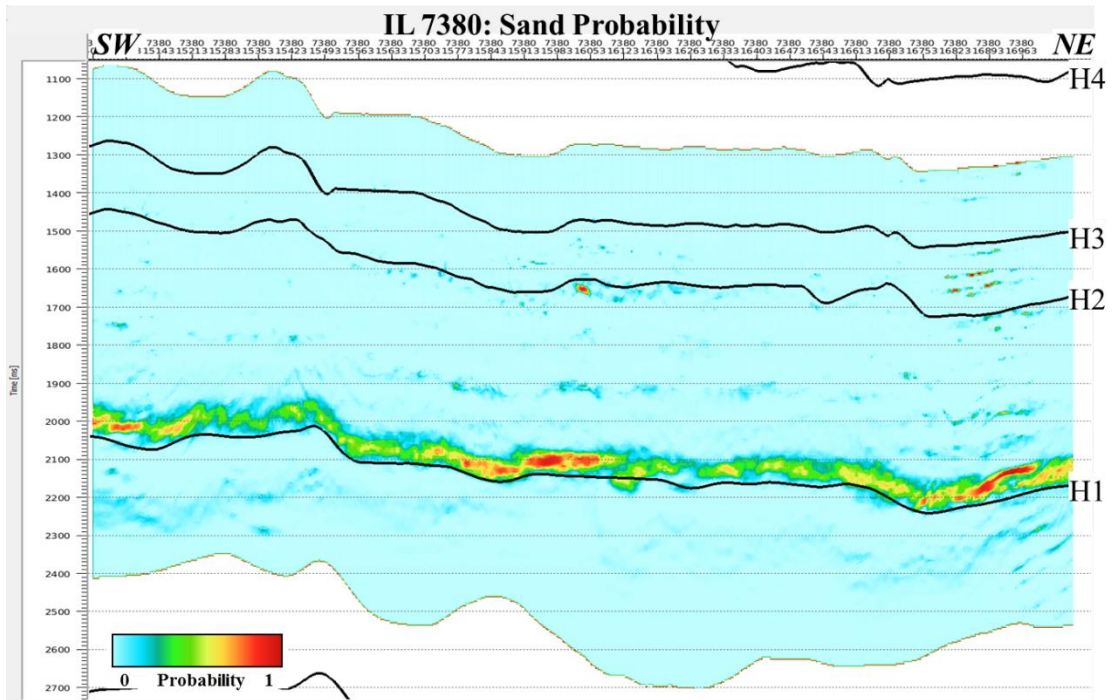


Figure D-28 Inline 7380 section showing the distribution of sand probability.

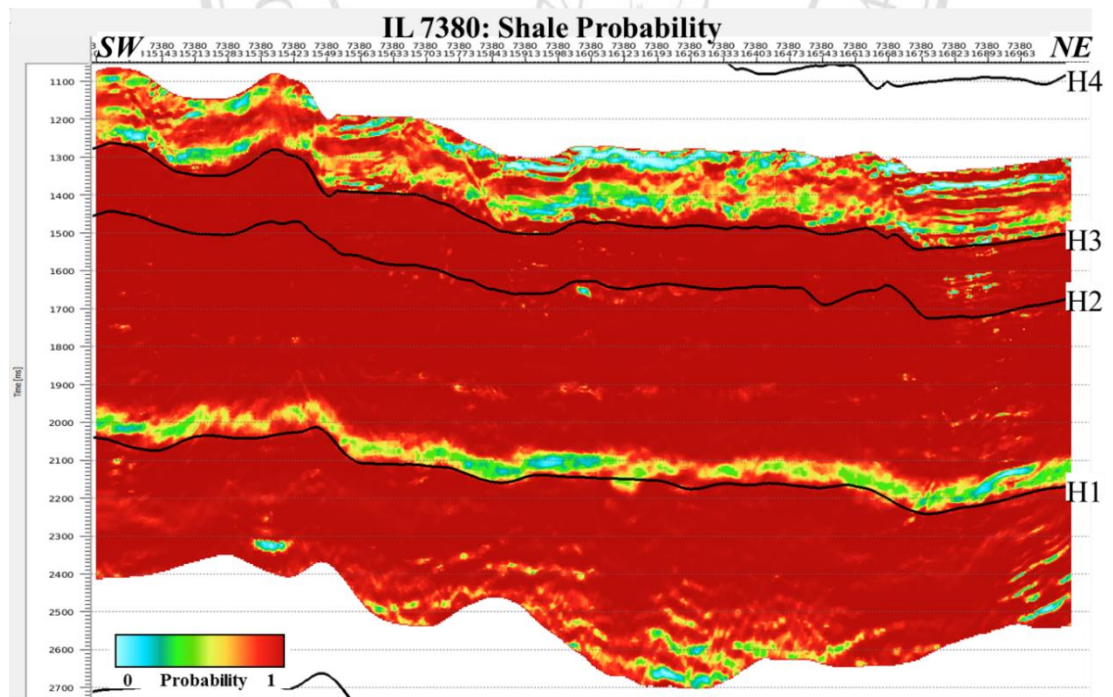


Figure D-29 Inline 7380 section showing the distribution of shale probability.

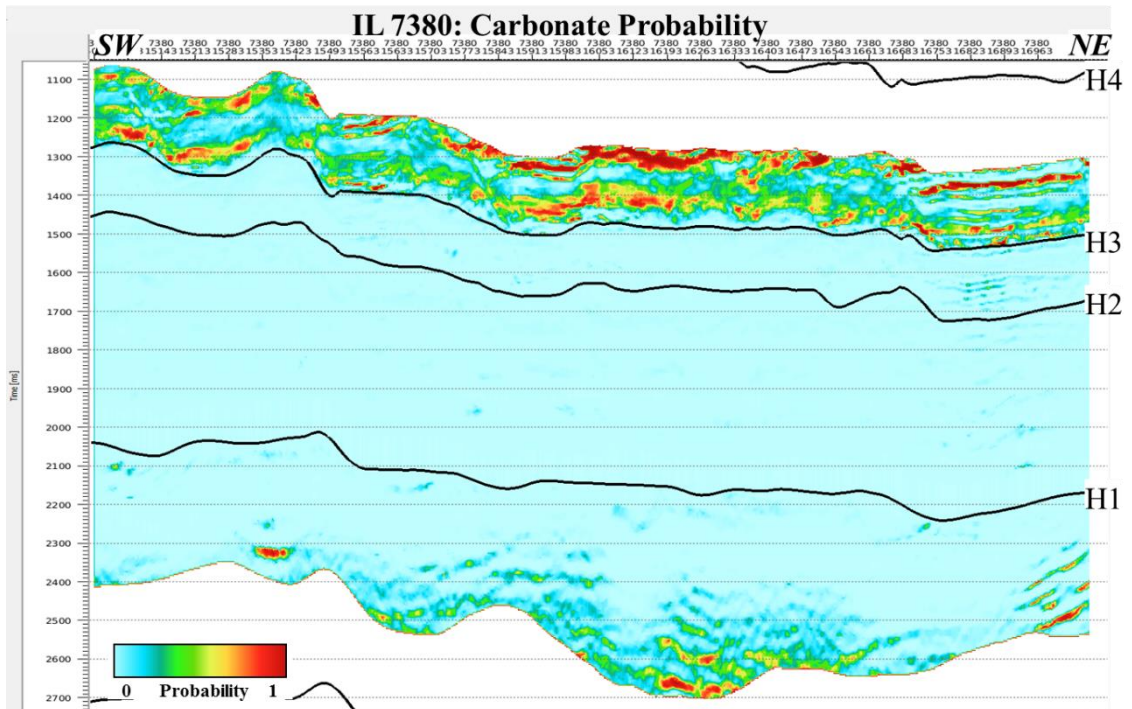


Figure D-30 Inline 7380 section showing the distribution of carbonate probability.

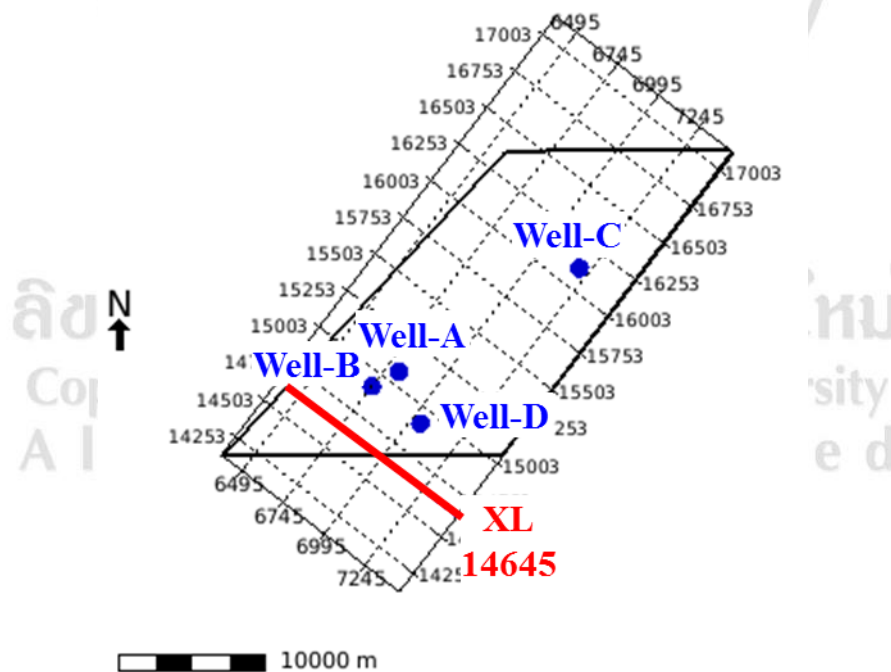


Figure D-31 Map location of crossline 14645.

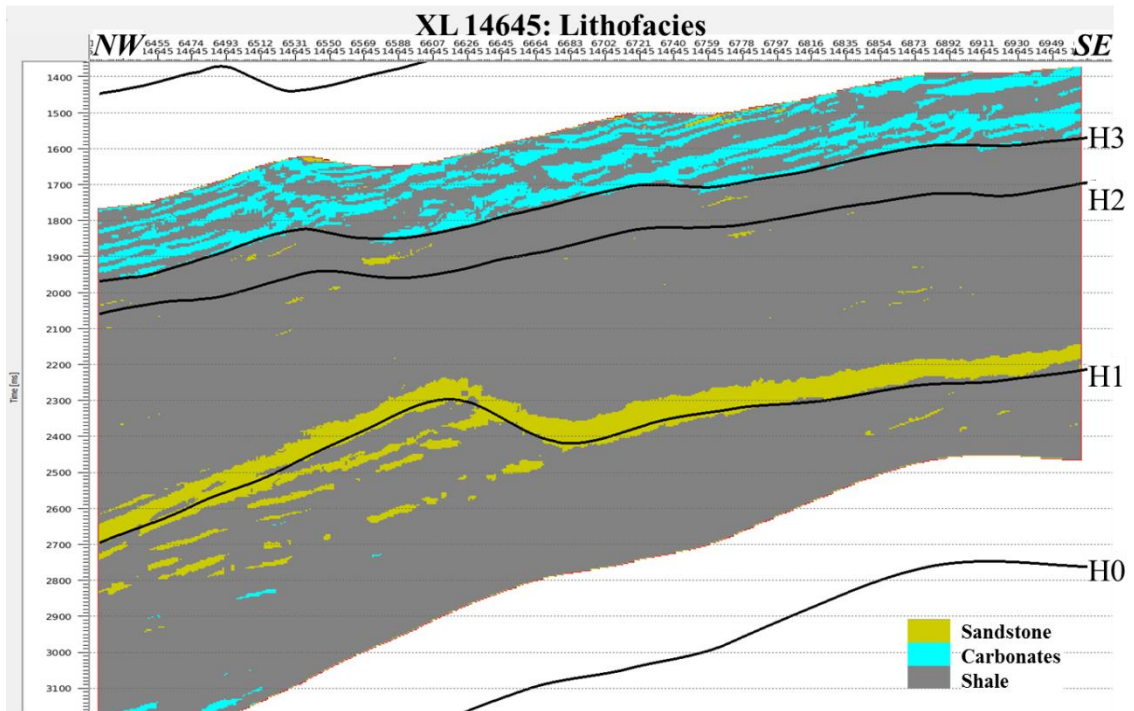


Figure D-32 Crossline 14645 section showing lithofacies (most probable).

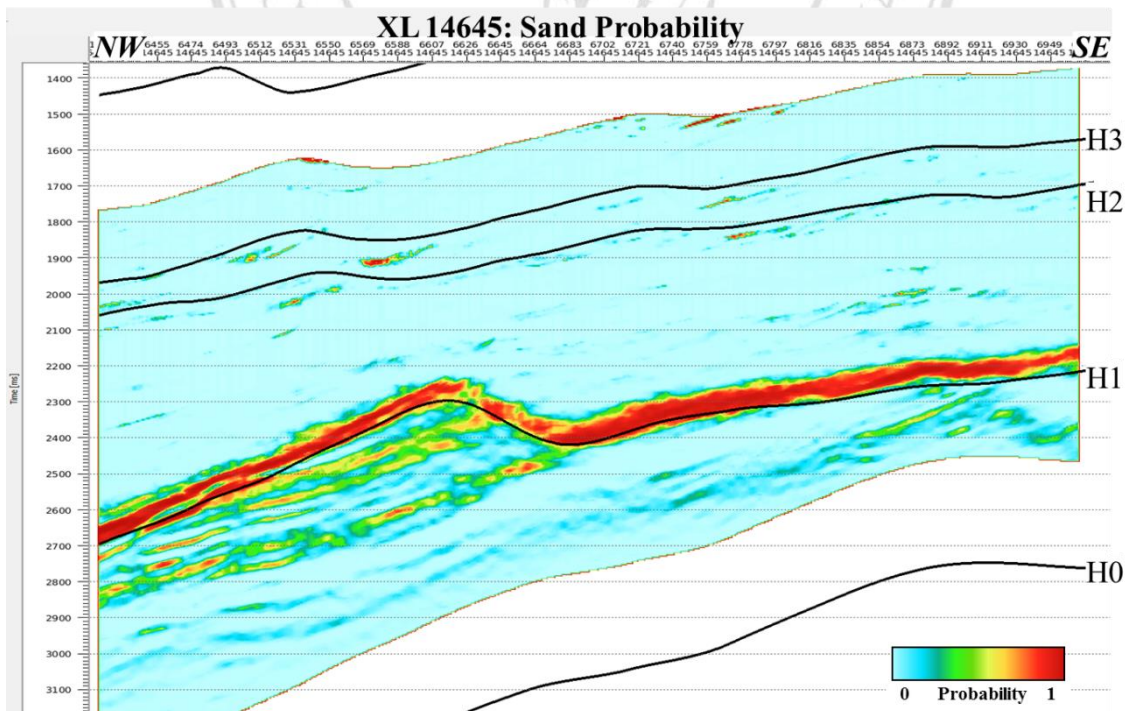


Figure D-33 Crossline 14645 section showing the distribution of sand probability.

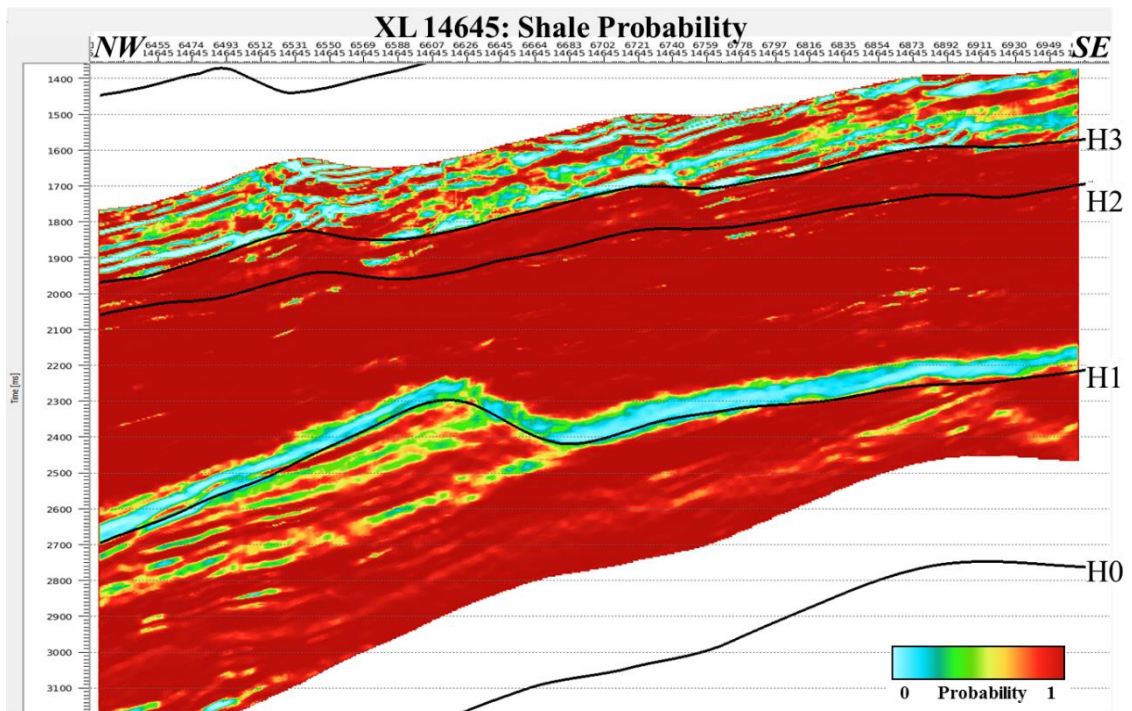


Figure D-34 Crossline 14645 section showing the distribution of shale probability.

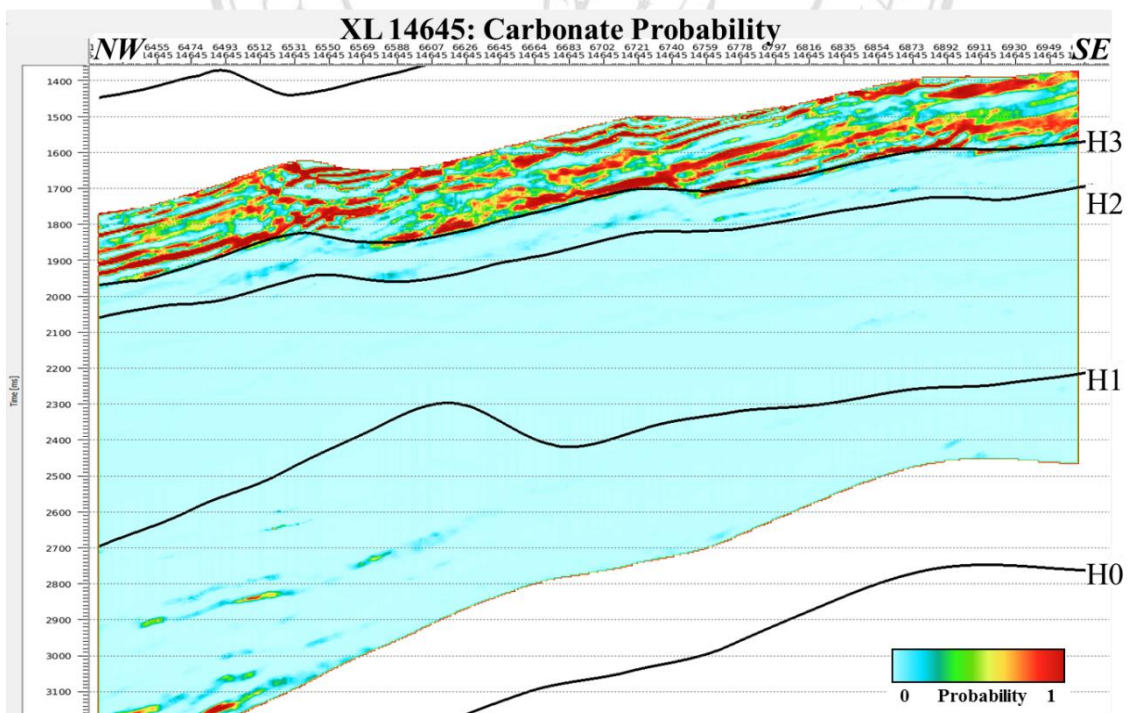


Figure D-35 Crossline 14645 section showing the distribution of carbonate probability.

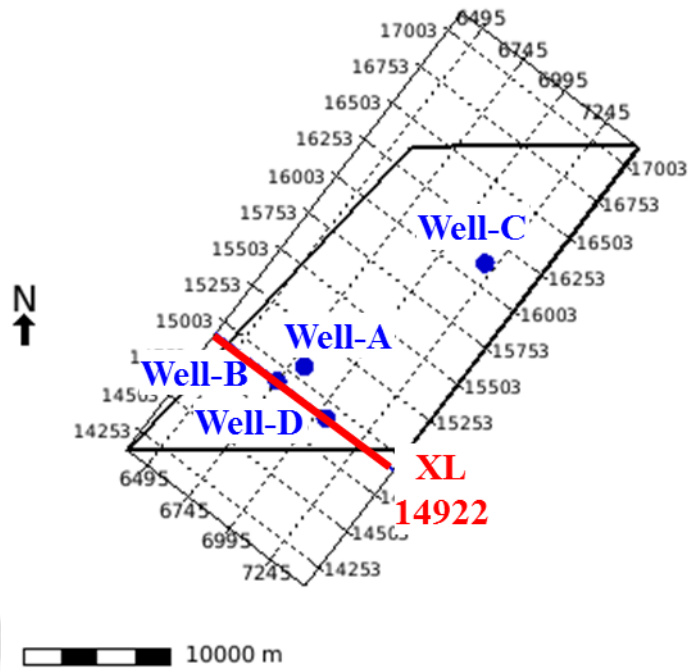


Figure D-36 Map location of crossline 14922 that passed through Wells-B and -D location.

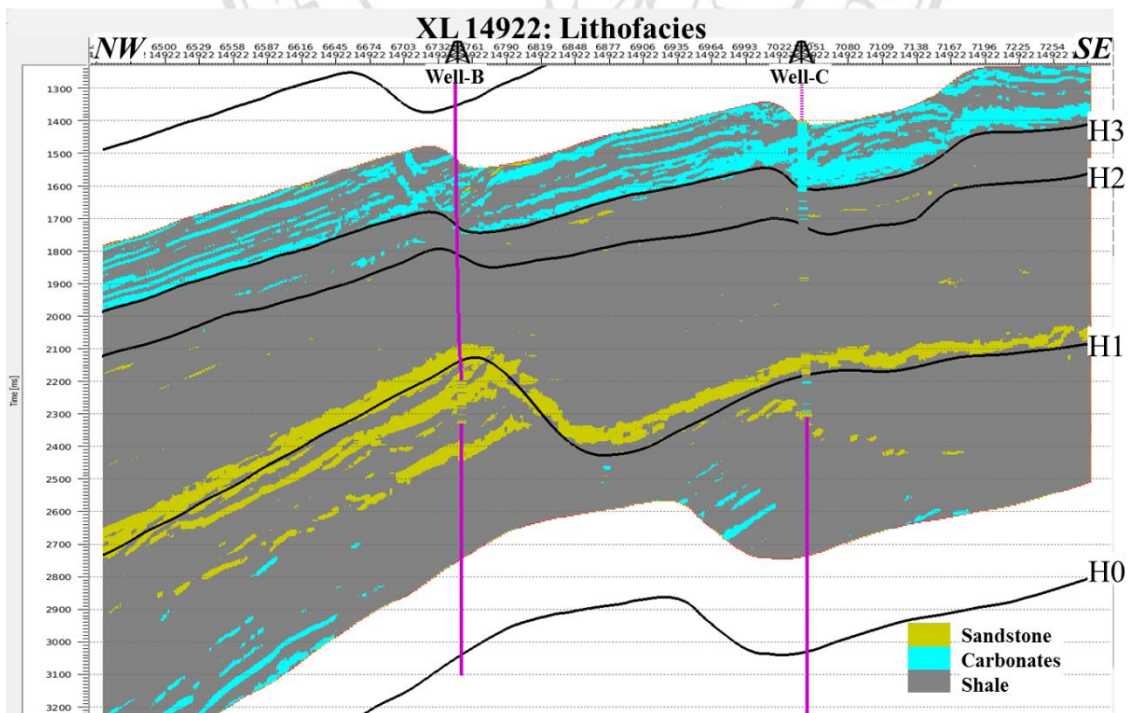


Figure D-37 Crossline 14922 section showing lithology logs of Wells-B and -D were properly captured by the lithofacies cube (most probable).

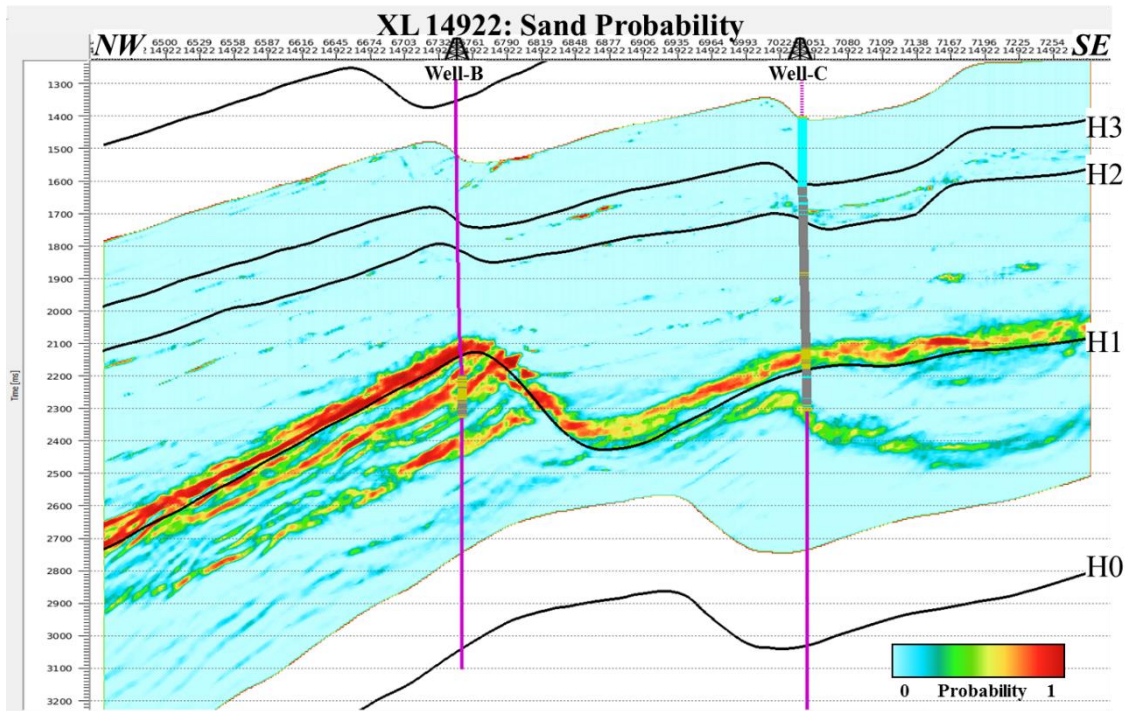


Figure D-38 Crossline 14922 section showing the distribution of sand probability.

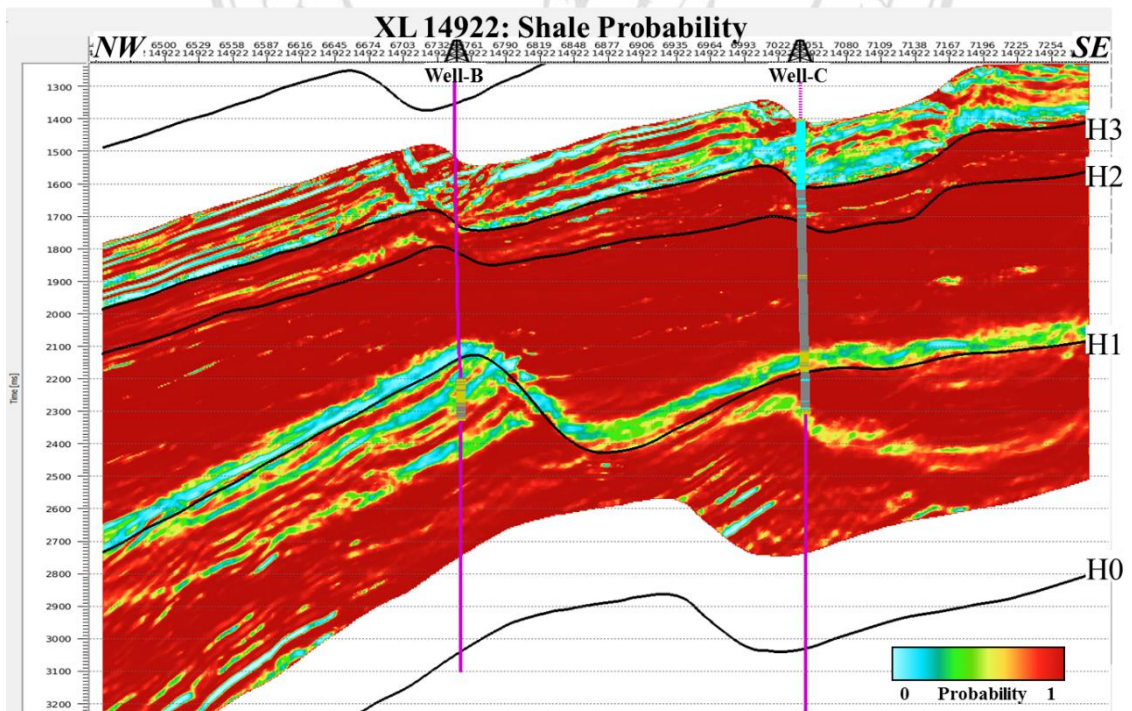


Figure D-39 Crossline 14922 section showing the distribution of shale probability.

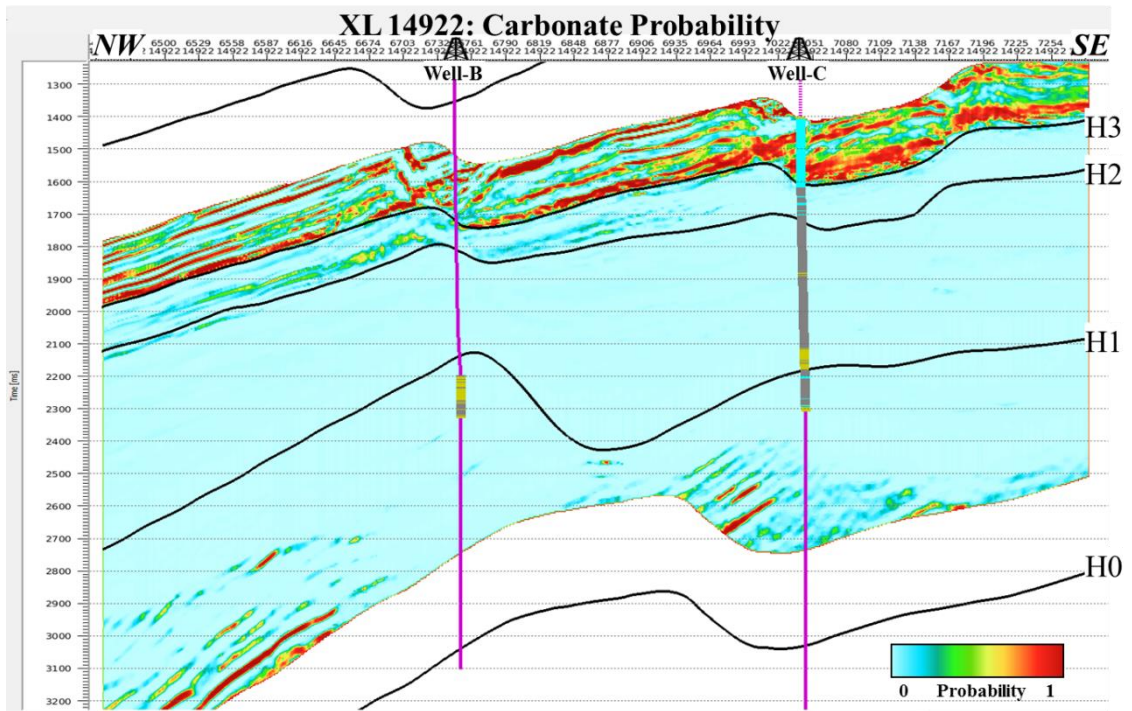


Figure D-40 Crossline 14922 section showing the distribution of carbonate probability.

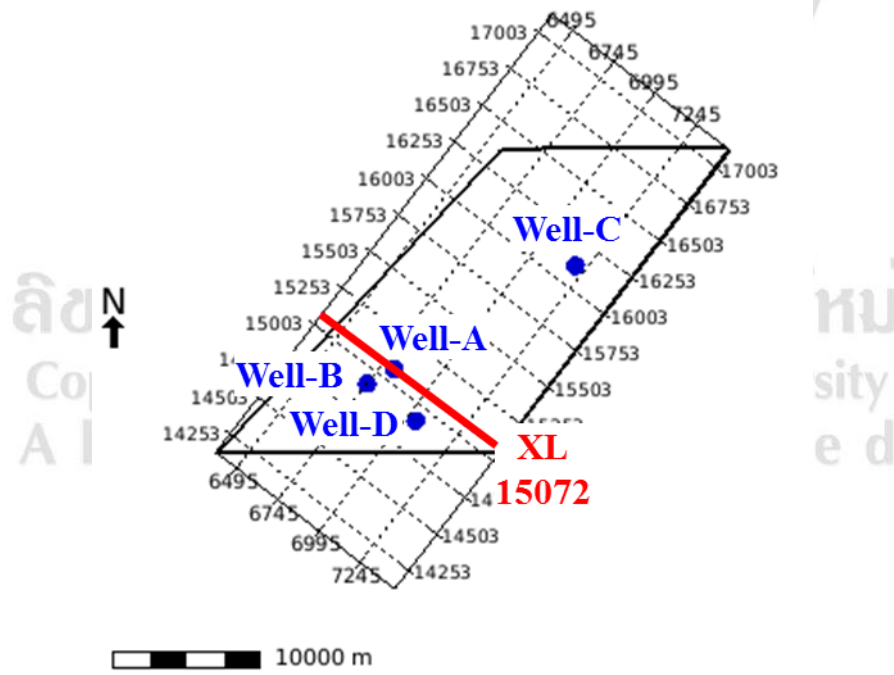


Figure D-41 Map location of crossline 15072 that passed through Well-A location.

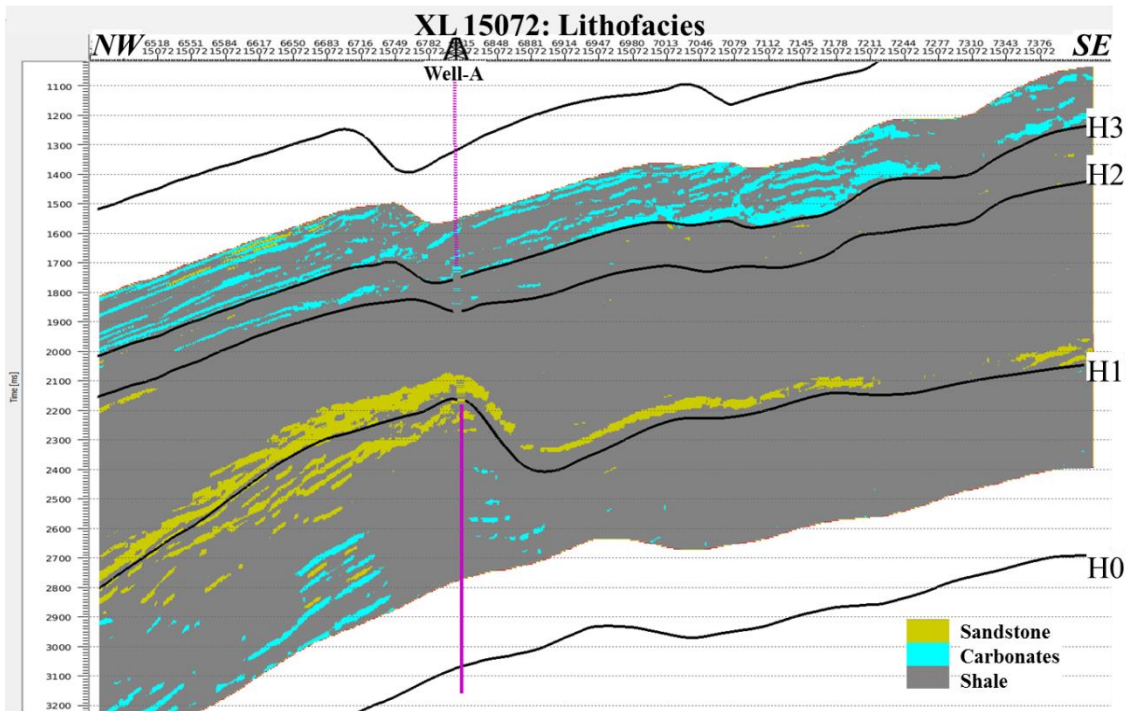


Figure D-42 Crossline 15072 section showing lithology logs of Well-A was properly captured by the lithofacies cube (most probable).

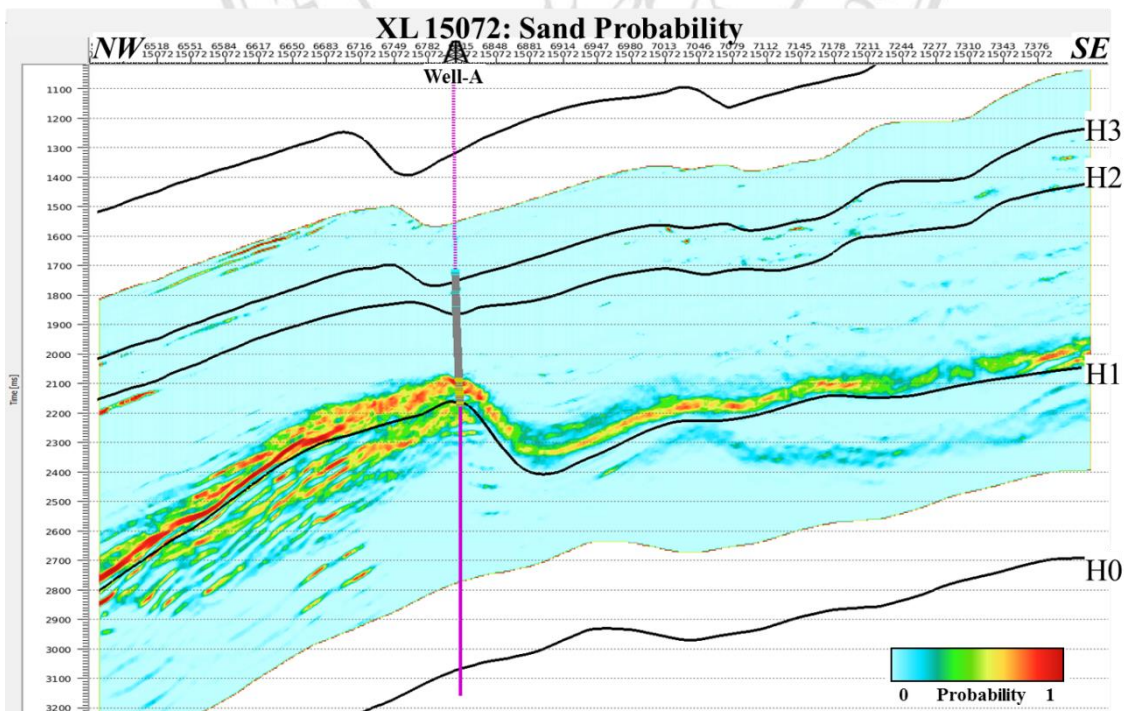


Figure D-43 Crossline 15072 section showing the distribution of sand probability.

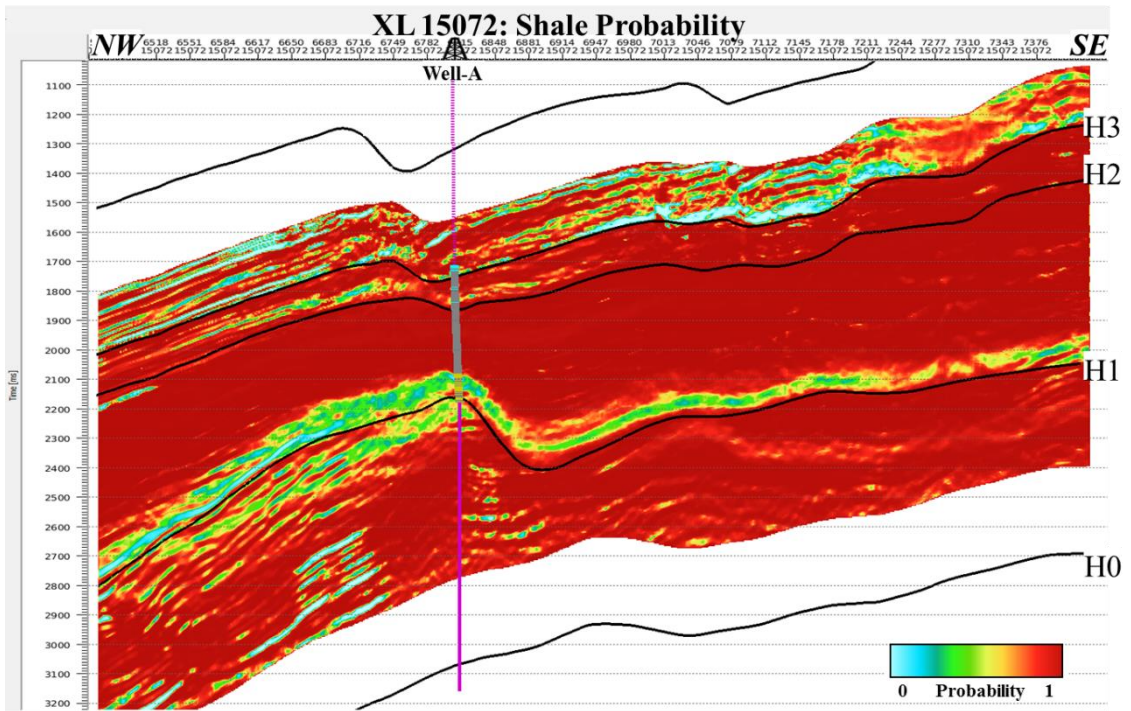


Figure D-44 Crossline 15072 section showing the distribution of shale probability.

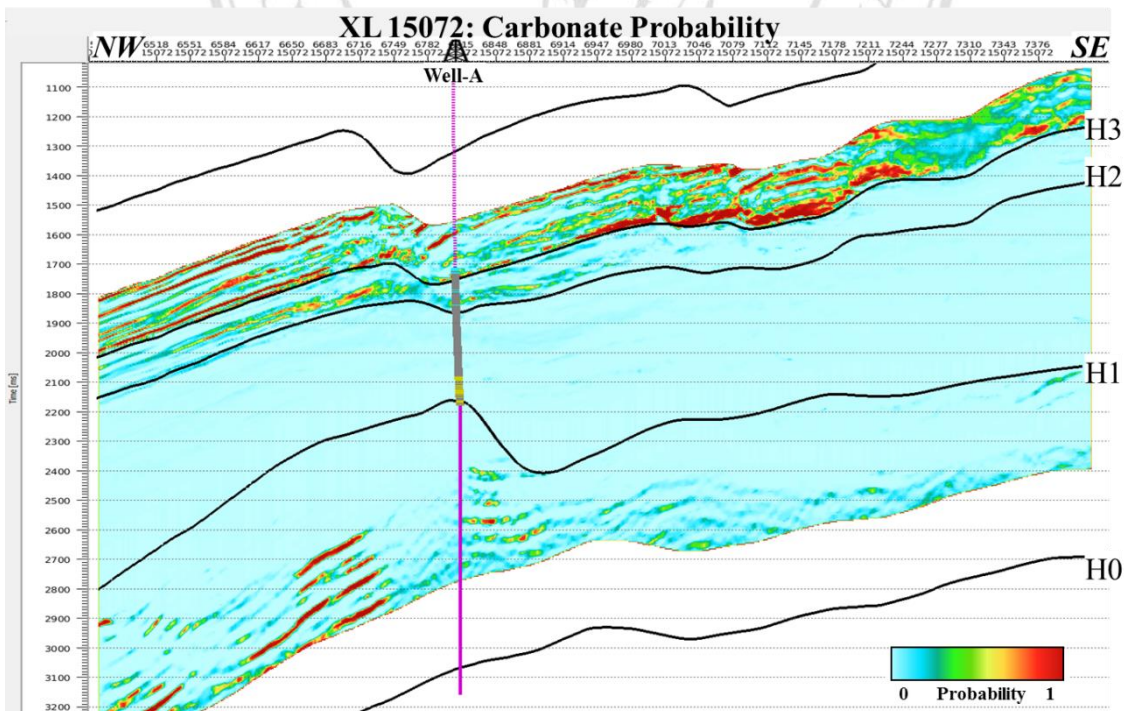


Figure D-45 Crossline 15072 section showing the distribution of carbonate probability

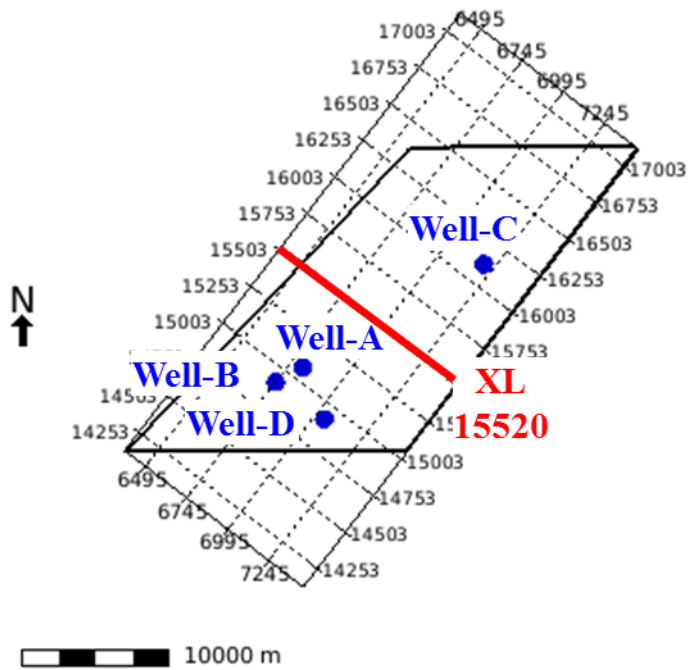


Figure D-46 Map location of crossline 15520.

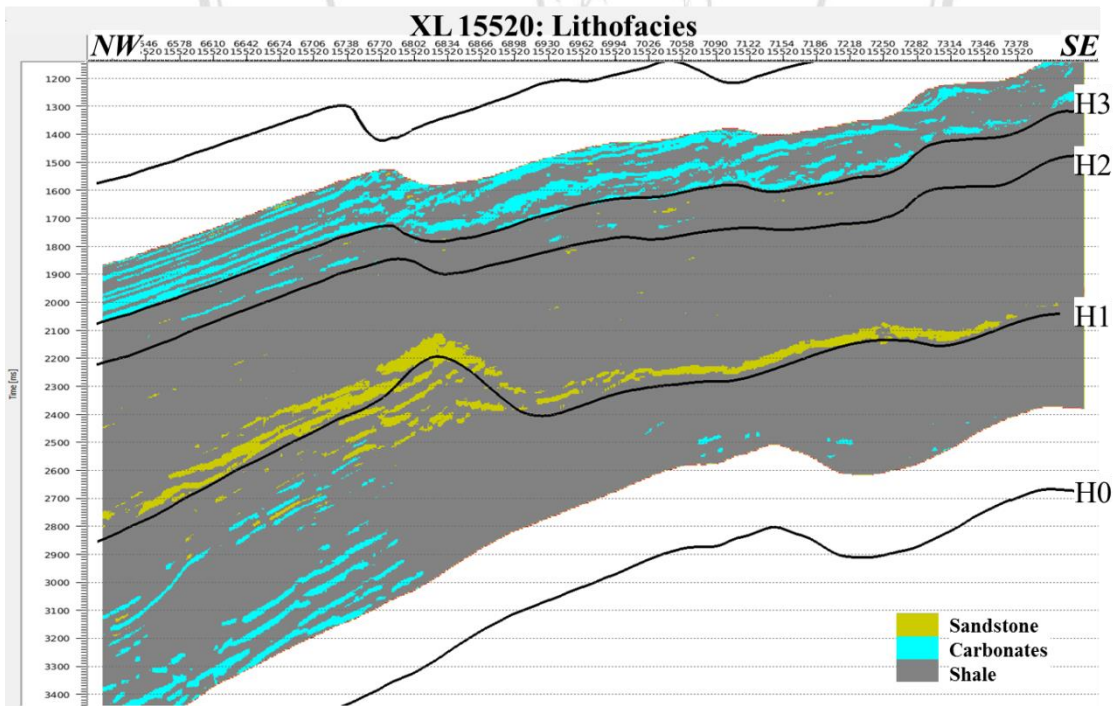


Figure D-47 Crossline 15520 section showing lithofacies cube (most probable).

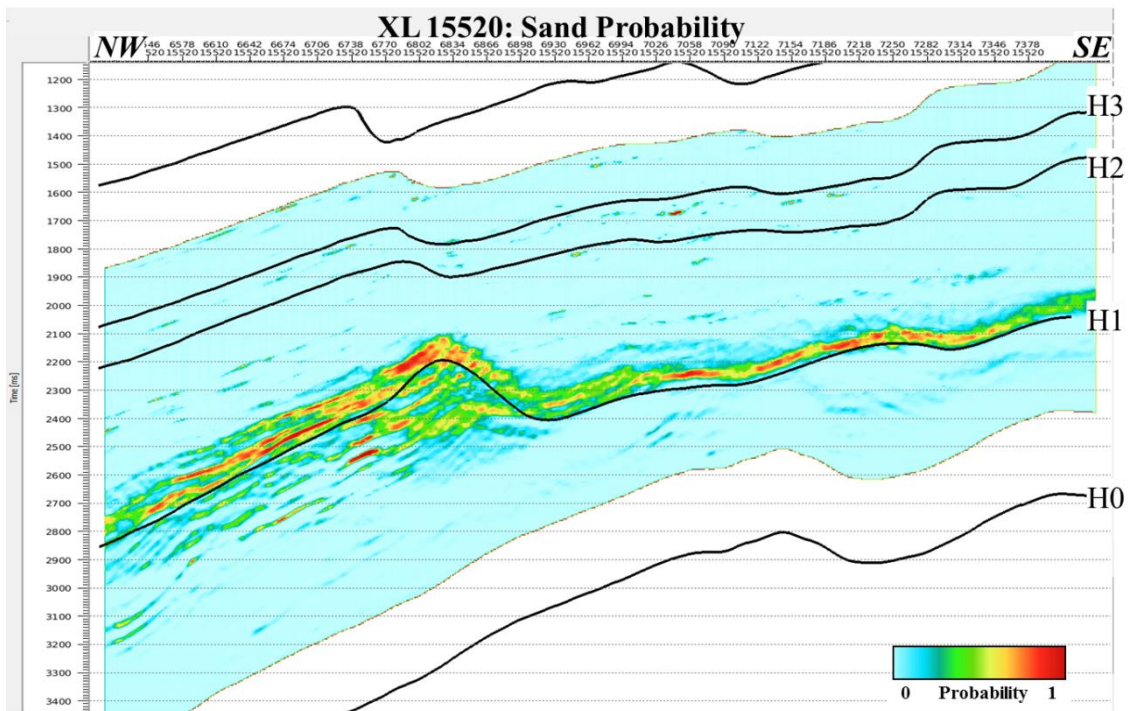


Figure D-48 Crossline 15520 section showing the distribution of sand probability.

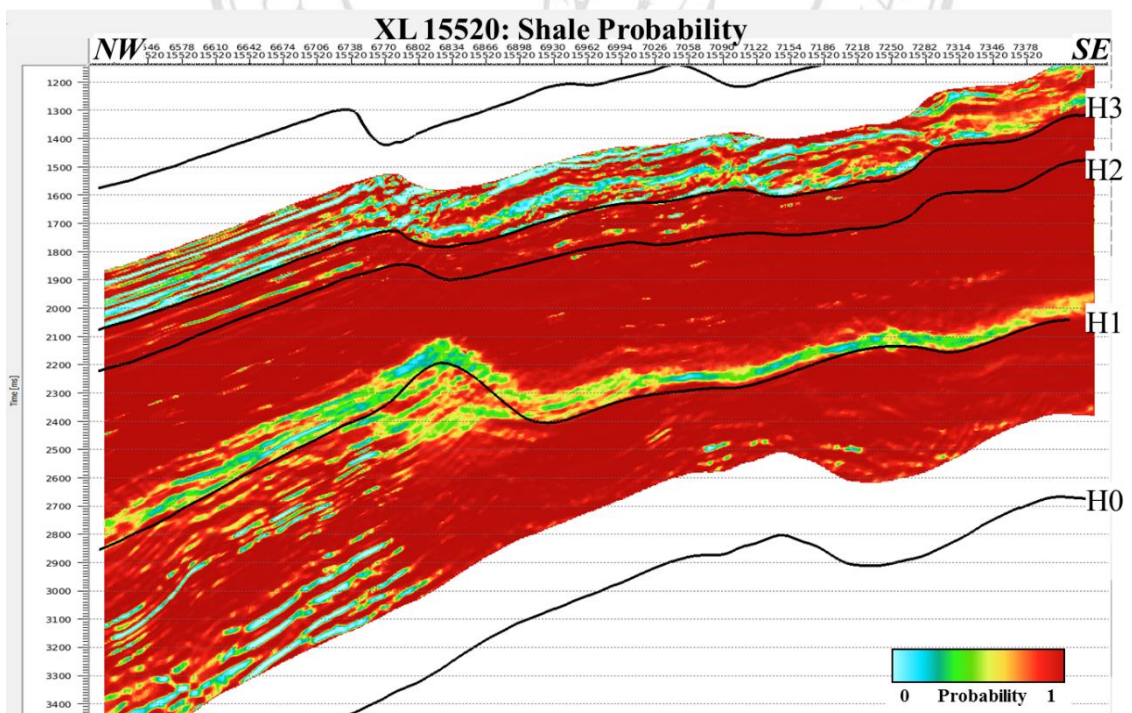


Figure D-49 Crossline 15520 section showing the distribution of shale probability.

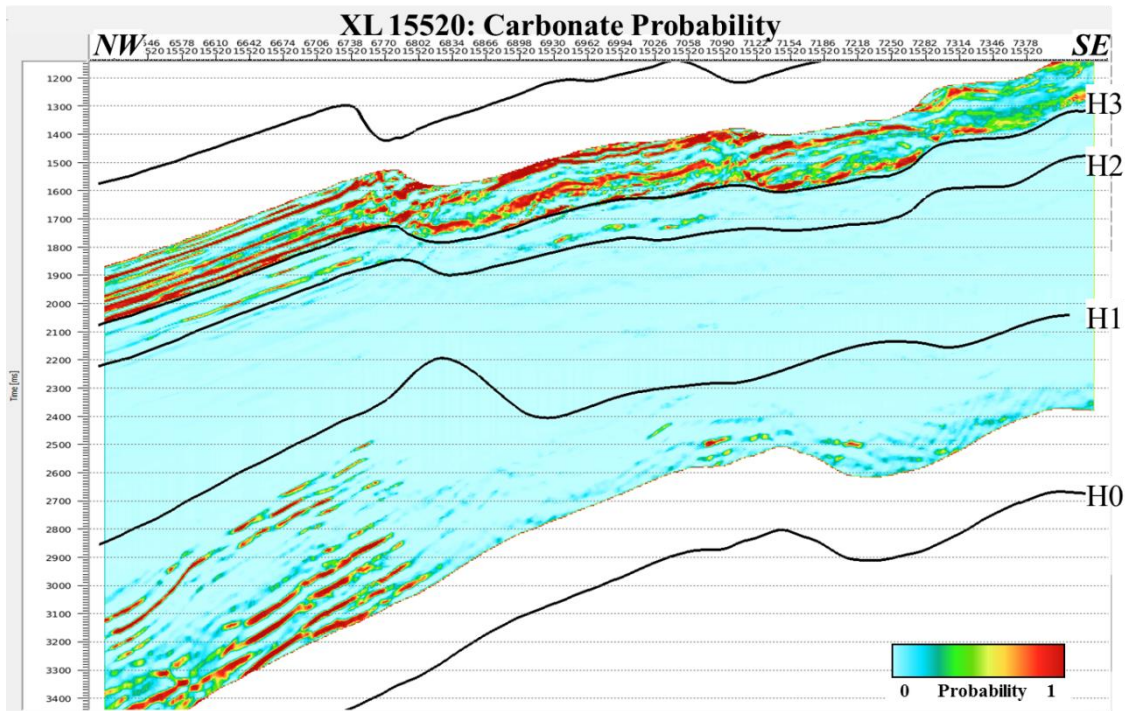


Figure D-50 Crossline 15520 section showing the distribution of carbonate probability.

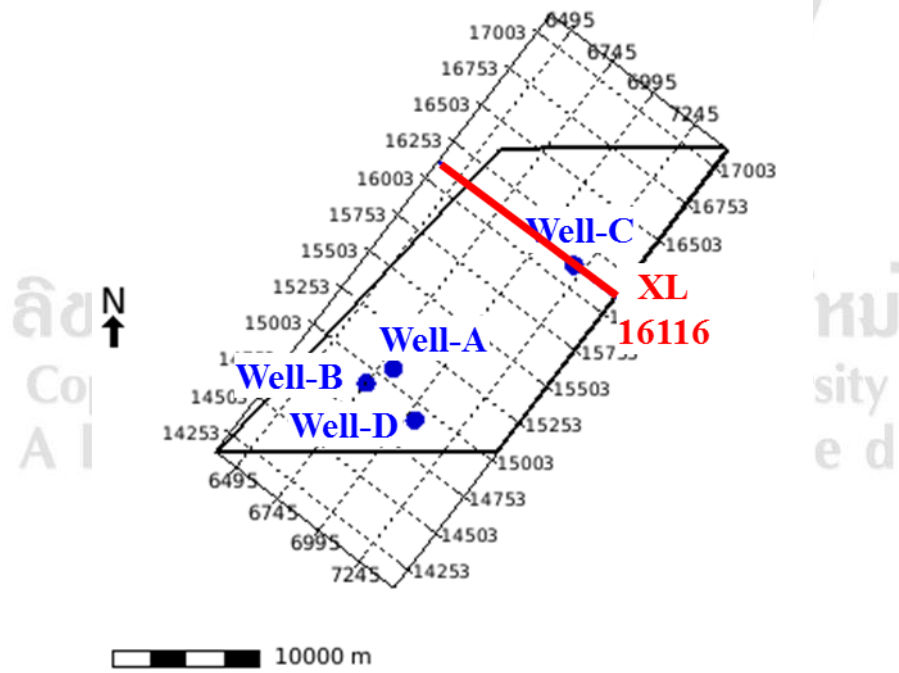


Figure D-51 Map location of crossline 16116 that passed through Well-C location.

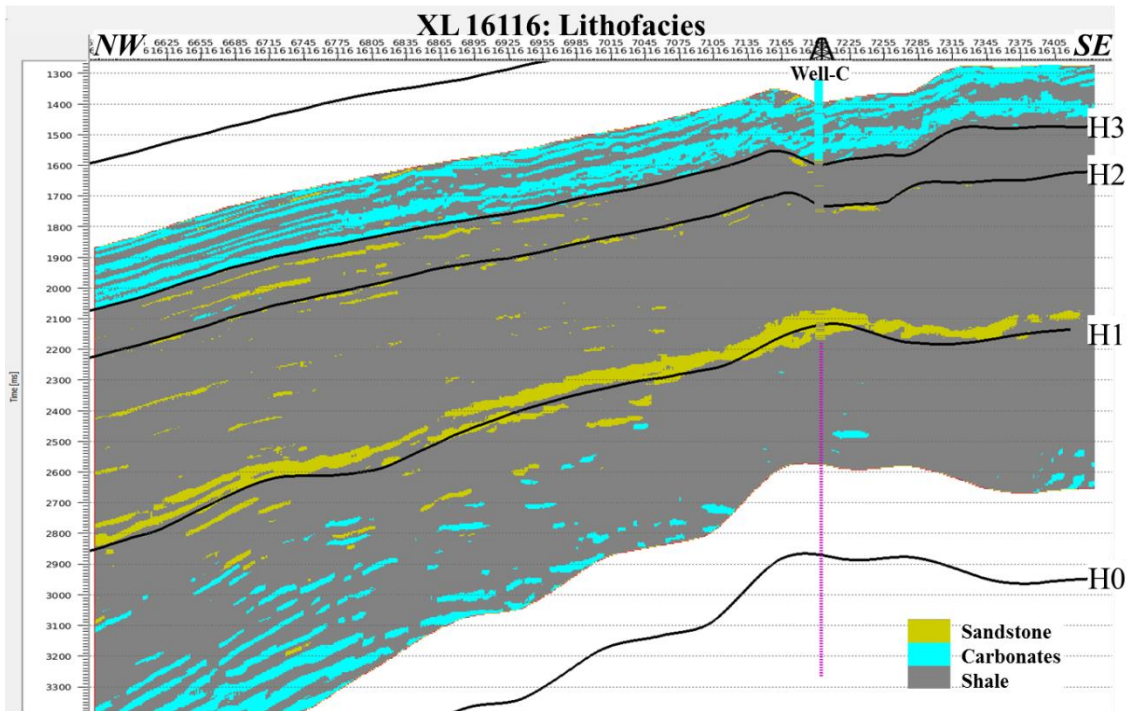


Figure D-52 Crossline 16116 section showing lithology logs of Well-C was properly captured by the lithofacies cube (most probable).

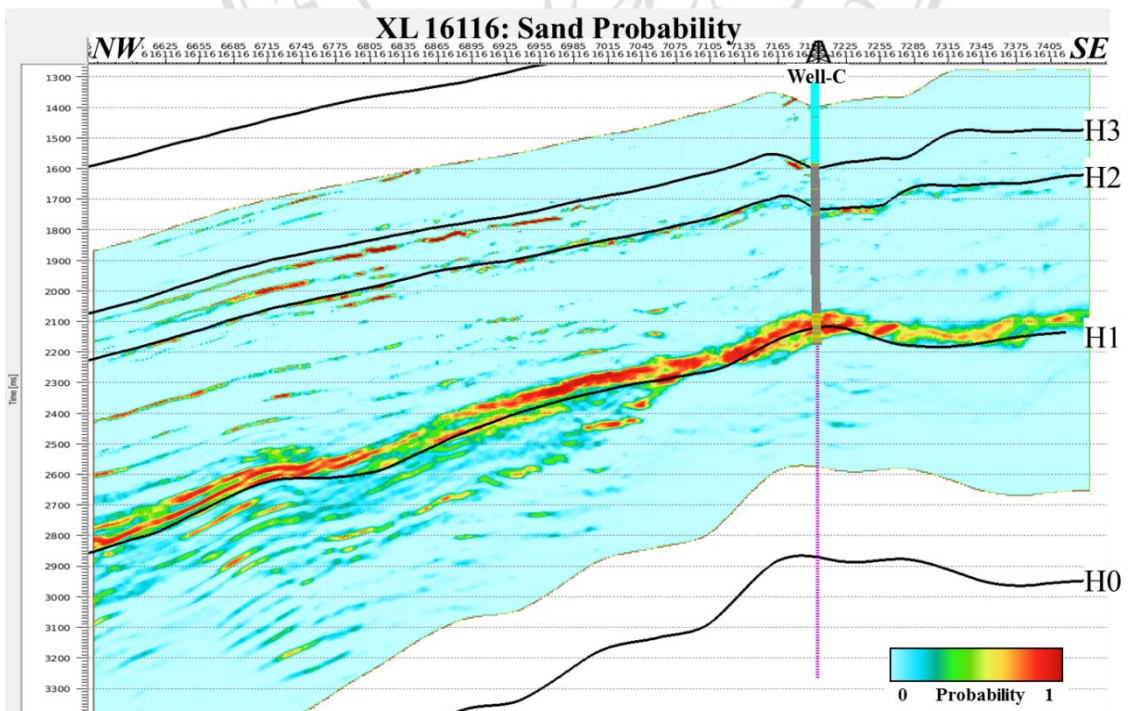


Figure D-53 Crossline 16116 section showing the distribution of sand probability.

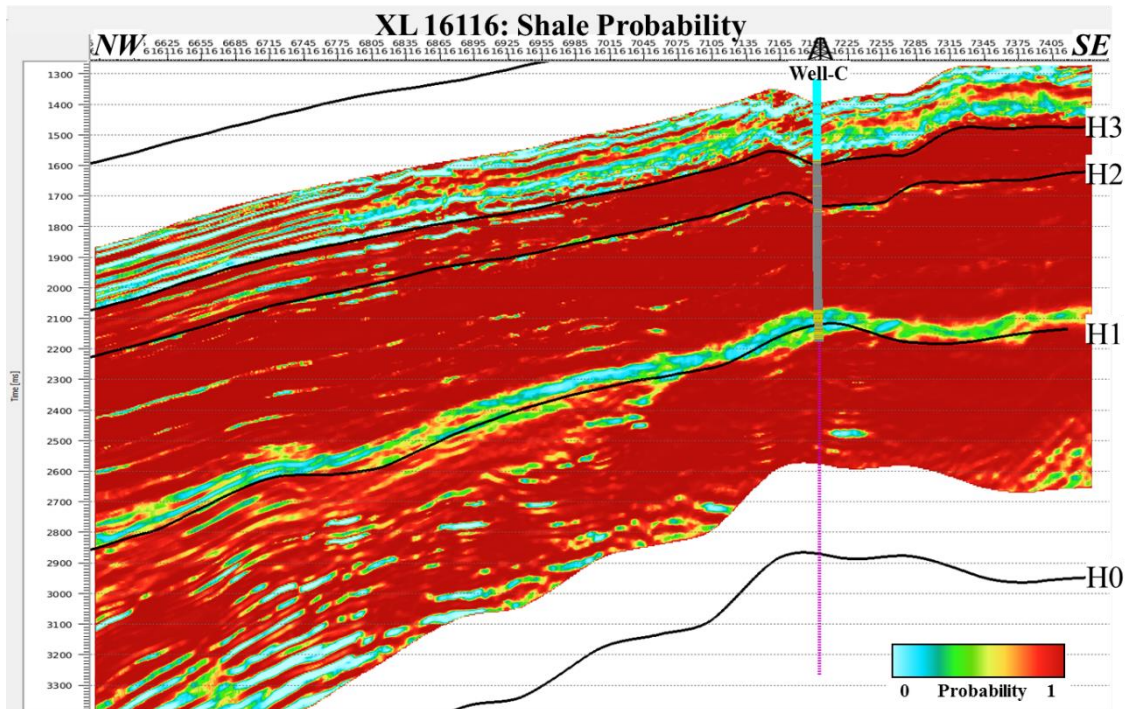


Figure D-54 Crossline 16116 section showing the distribution of shale probability.

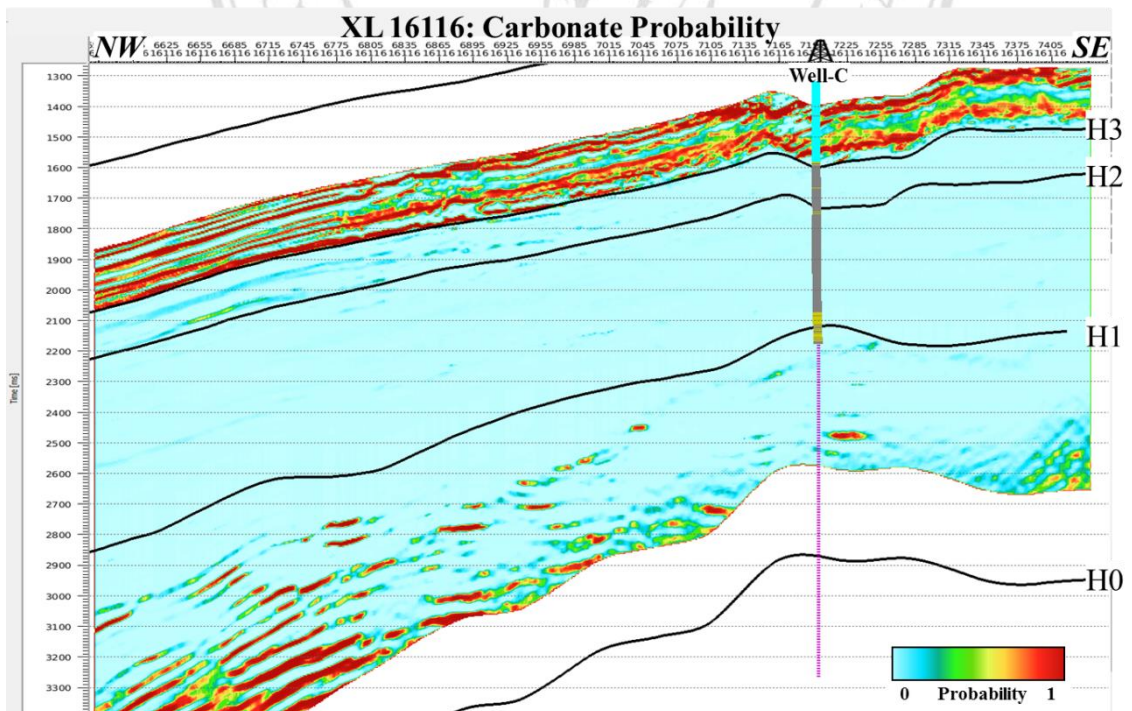


Figure D-55 Crossline 16116 section showing the distribution of carbonate probability.

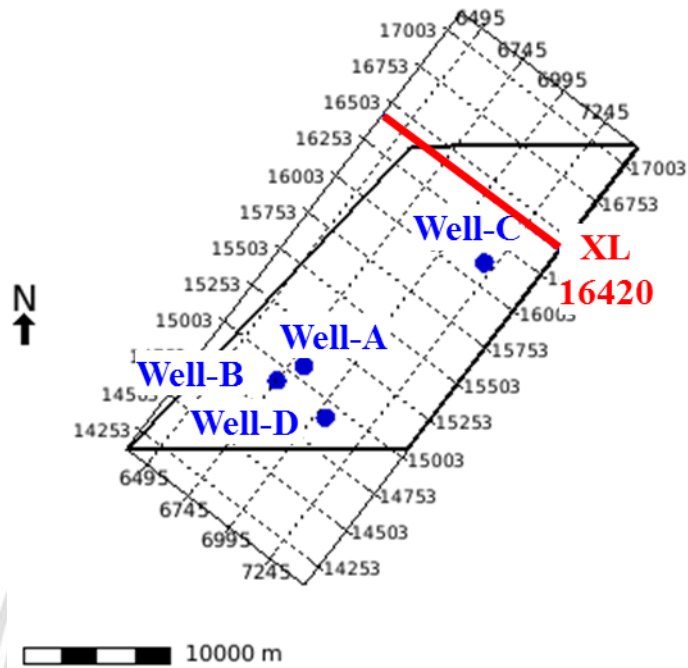


Figure D-56 Map location of crossline 16420.

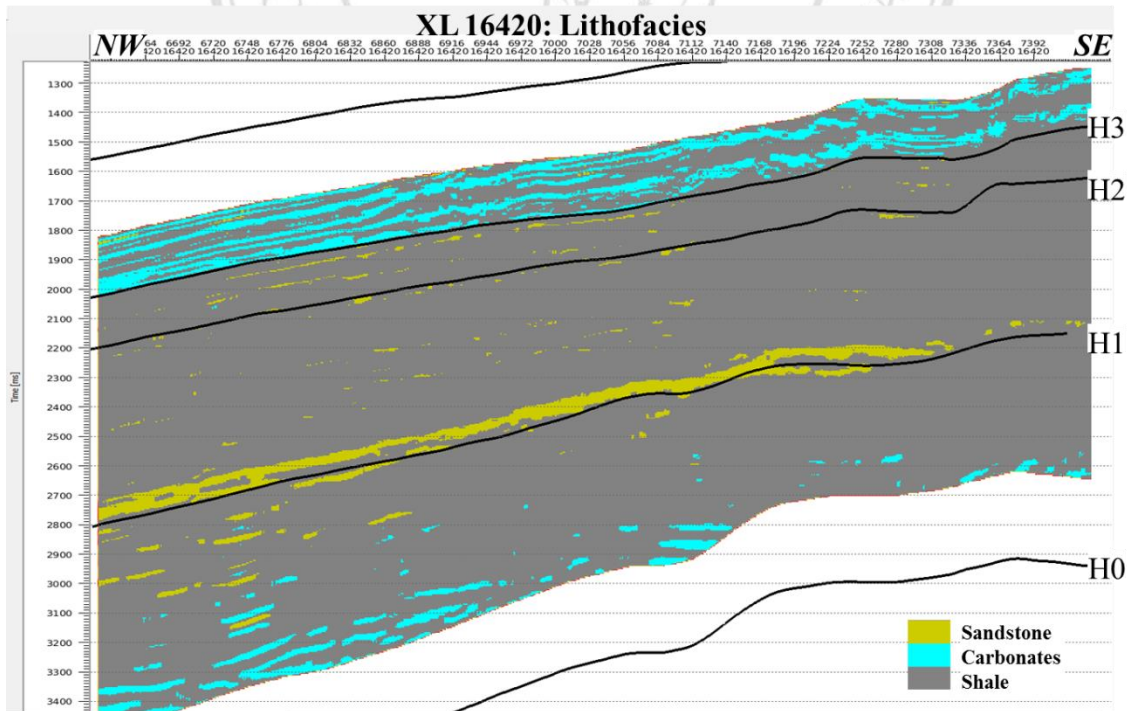


Figure D-57 Crossline 16420 section showing lithofacies (most probable).

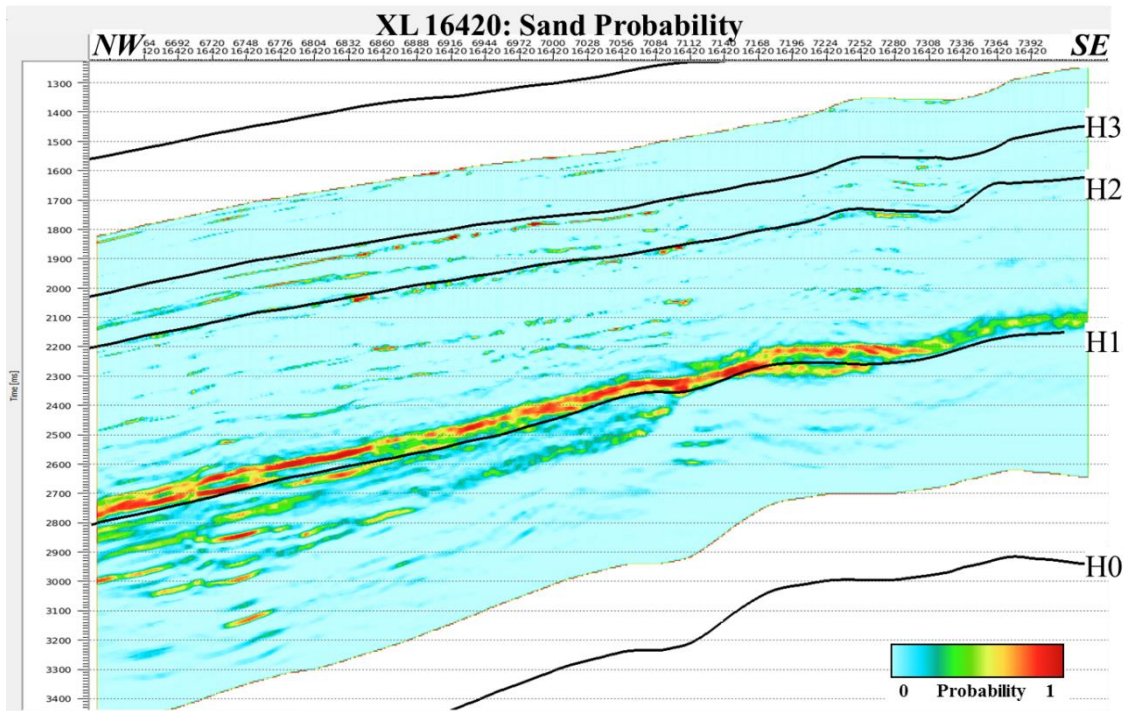


Figure D-58 Crossline 16420 section showing the distribution of sand probability.

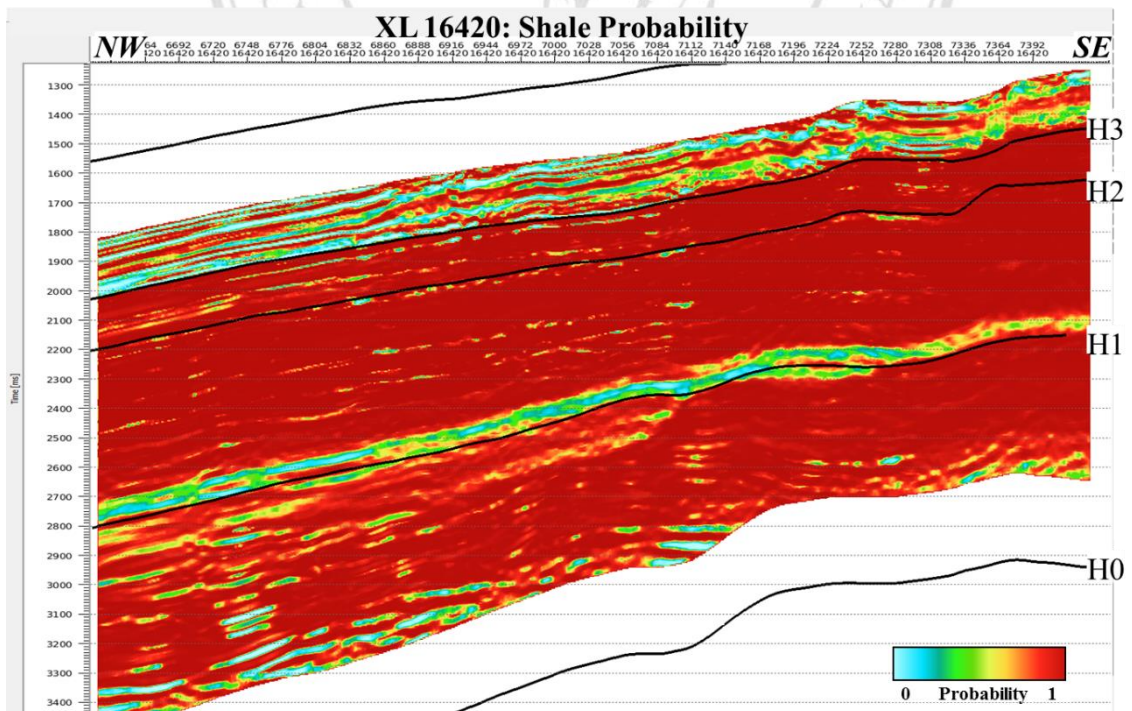


Figure D-59 Crossline 16420 section showing the distribution of shale probability.

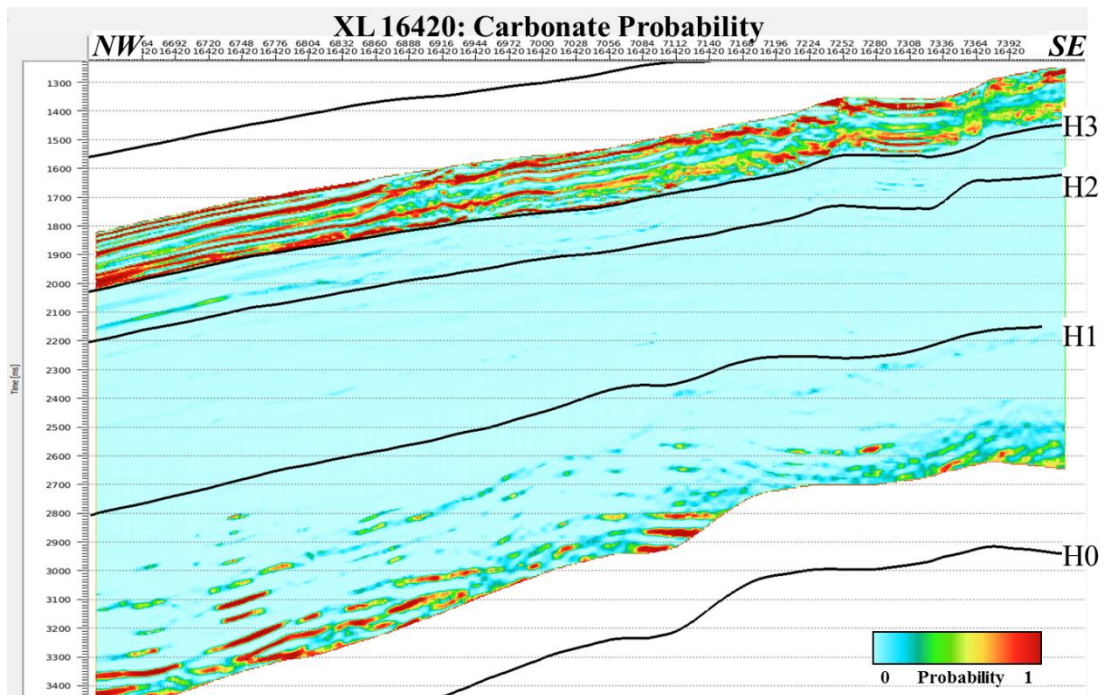
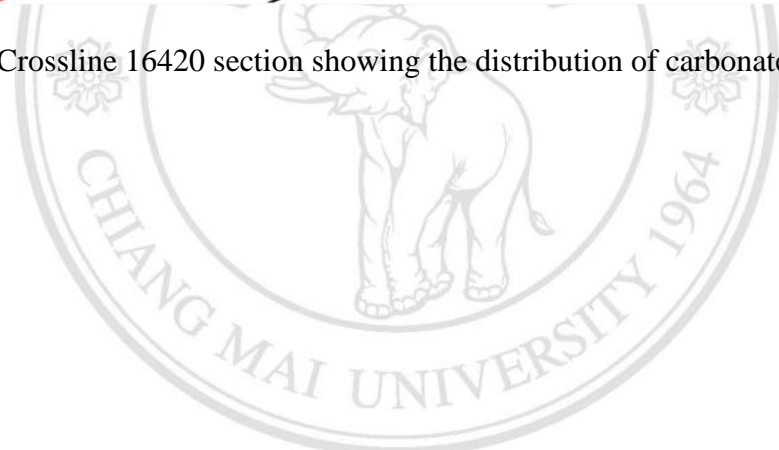


Figure D-60 Crossline 16420 section showing the distribution of carbonate probability.



ลิขสิทธิ์มหาวิทยาลัยเชียงใหม่
 Copyright© by Chiang Mai University
 All rights reserved

CURRICULUM VITAE

| | |
|----------------------|---|
| Author's Name | Ms. Namfon Pooksook |
| Date of Birth | 18 April 1988 |
| Education | 2010 Bachelors of Science, Physics, Chiang Mai University |
| Scholarship | 2007 - 2010 Faculty of Science, Chiang Mai University 2014 - 2016 PTT Exploration and Production Co., Ltd |
| Publication | Pooksook, N., Wongpornchai, P., Sognnes, H.I. and Kongjuk, K., “Reservoir Characterization Using Pre-stack Simultaneous Inversion of 3D Seismic Data from Timor Sea, Australia.” PROCEEDINGS: International Graduate Research Conference 2015, December 11. |
| Experiences | 2010 - 2011 Associated geoscientist, PTT Exploration and Production Company Limited. 2011- Recent Geophysicist, PTT Exploration and Production Company Limited. |



มหาวิทยาลัยเชียงใหม่
Copyright © by Chiang Mai University
rights reserved