

Composite Display 1

Polarity: Impedance Increase = Trough

Company : Origin Energy Resources
Well : Yolla-4
Field : Yolla
Country : Australia
State : Offshore Tasmania
SRD : MSL

Job Ref : DS 0904-11

Correlation Curve

RESISTIVITY

Correlation Curve

GAMMA RAY

Correlation Curve

CALIPER

Correlation Curve

SONIC SLOWNESS

Correlation Curve

DENSITY

SONIC INTERVAL VELOCITY

ACOUSTIC IMPEDANCE

REFLECTION COEFFICIENT

Zero Phase
Ricker Wavelet
35 Hz

Multiples Only
Increase in Acoustic Impedance is a Trough

Zero Phase
Ricker Wavelet
35 Hz

Primaries Only with Transmission Losses
Increase in Acoustic Impedance is a Trough

Zero Phase
Ricker Wavelet
35 Hz

Primaries + Multiples
Increase in Acoustic Impedance is a Trough

Zero Phase
Ricker Wavelet
25 Hz

Convolved Reflectivity Series
Increase in Acoustic Impedance is a Trough

Zero Phase
Ricker Wavelet
30 Hz

Convolved Reflectivity Series
Increase in Acoustic Impedance is a Trough

Zero Phase
Ricker Wavelet
35 Hz

Convolved Reflectivity Series
Increase in Acoustic Impedance is a Trough

VIVSP
Corridor Stack

Increase in Acoustic Impedance is a Trough

VIVSP Upgoing

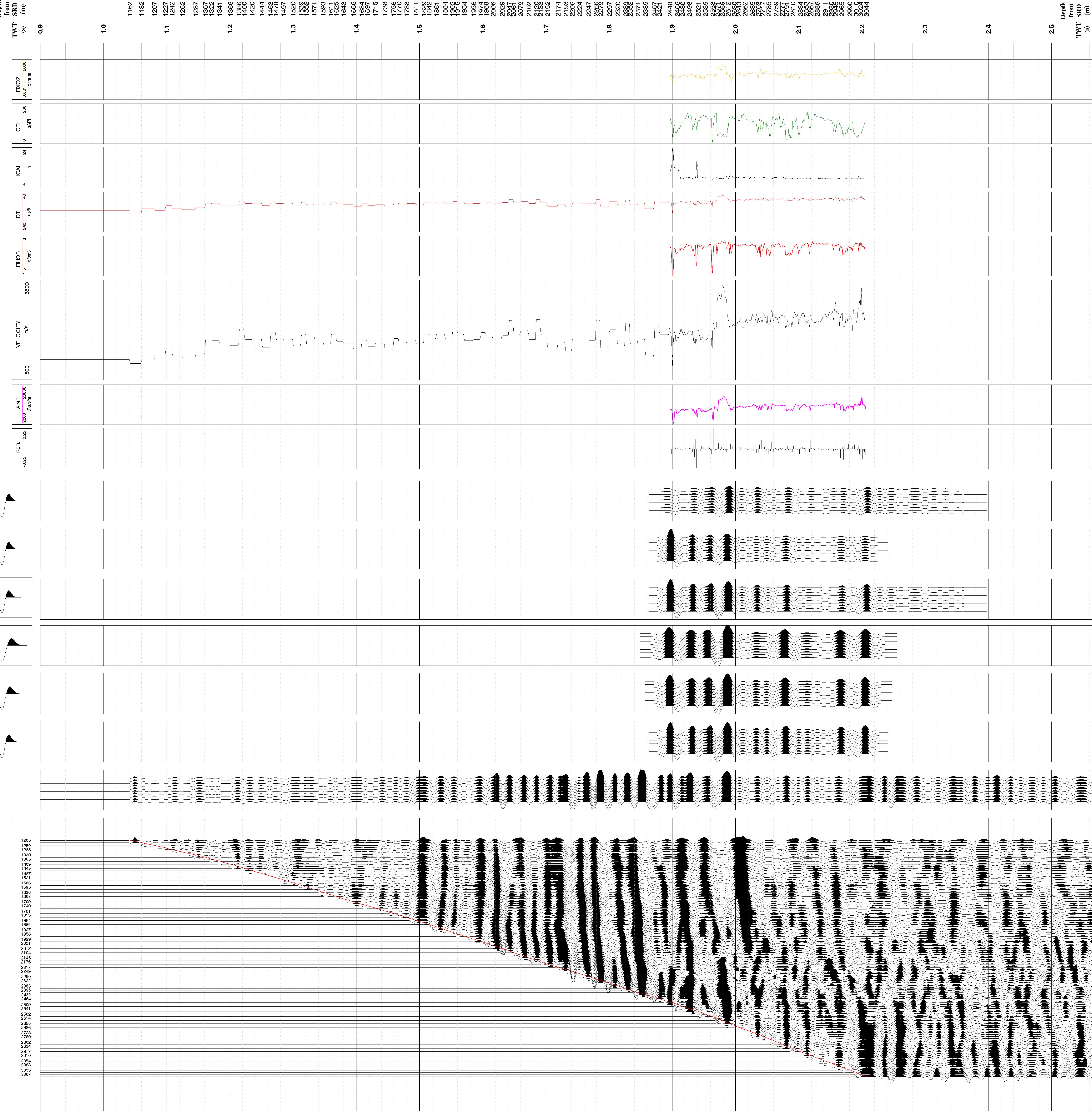
Processing History:

0/ Load Data
1/ Edit Bad Records
2/ Pick Reference Break
3/ Z Component Median Stack
4/ Geophone Transform
5/ Pick Break Time
6/ Survey Geometry + SRD Correction
7/ Bandpass Filter 5-95 Hz
8/ Rotation to V and H components
9/ Signature Deconvolution: PDN, Gap 55ms, Window 0.85 s
10/ Geometrical Spreading Correction: Exponent 1.56
11/ RMS Normalization: Window 200 ms
12/ Wavefield Separation: Velocity Filter 11x1 Tri Mean
13/ Waveshaping Deconvolution: 5/60 Hz Zero Phase / 0.5 s
14/ Upgoing Enhancement: Velocity Filter 7x3 Tri Mean
15/ Shift to Two Way Time
16/ Corridor Stack: 100 ms Window + Deepest 8 Traces
17/ Sonic Editing
18/ Sonic Calibration

Display Parameters:

Scale: 40 cm/s

Polarity: Increase in Acoustic Impedance is a Trough



Composite Display

Surface Seismic
Line Yolla-2 to Yolla-4
Well location: Offset 0
X(398905m), Y(5588822m)

(a)

VIVSP Upgoing Wavefield
29 ms Time Shifted Down
Offset Regularised 12.5 m

(b)

VIVSP Corridor Stack
(along well bore)
29 ms Time Shifted Down
Offset Regularised 12.5 m

Display Parameters:

Scale: 40 cm/s

Polarity: Increase in Acoustic Impedance is a Trough