1 Schlumberger

**MELBOURNE LOG** INTERPRETATION CENTRE

PE900087

## VERTICAL SEISMIC PROFILE

ZERO OFFSET VSP

PLOT 3

2405.00 to 551.00

-57.00

32 4

55

METRES

20-04-94

## **VELOCITY FILTERING**

**BHP PETROLEUM** Company:

MINERVA 1

AUSTRALIA Country:

Reference No: 560896

05-04-93

**ELEVATION ABOVE MEAN SEA LEVEL** 

25 00

0.00

SRD

SRD

Bit Size/

Elevation

7 M BELOW MSL

7 M BELOW MSL

REMARKS

Date Processed:

Depth Units:

\_\_ \_ \_ LOGGING DATUM

SEA FLOOR

Casing Size/

Elevation

14 M BELOW MSL

14 M BELOW MSL

38 42' 12.23" S

**EXPLORATION** 

Permanent Datum:

FIELD RECORDING. COMPUTATION.

Seismic Reference Datum:

**Total Number of Levels** 

Date

14-03-93

21-03-93

25-03-93

05-04-93

Date

14-03-93

22-03-93

AS

47 M

47 M

Offset

47 M

47 M

Depth Reference

Time Reference

Logging Datum:

Date Logged:

Location:

Elevations:

AUSTRALIA **MINERVA** NTRY

COU

FIELD

BHP PETROLEUM

PANY

COM

**EXPLORATION** 

0.107 0.132 0.157 0.180 0.201 0.223

0.259

TRANSIT TIME

LEVEL NO

Schlumberg

\* VELOCITY FILTER \* VERTICAL COMPONENT.

DOWNGOING WAVEFIELD

PROCESSING SEQUENCE:

MEDIAN STACK APPLIED STATIC CORRECTION TO MSL: 9.18 MS BAND PASS FILTER: 5-100 HZ NORMALISATION GATE: 100 MS TIME VARYING GAIN: T/T0\*\*1.00 7 LEVEL MEDIAN ESTIMÁTE OF DOWNGOING WAVEFIELD

VERTICAL SCALE : 10 CM/SEC NORMAL POLARITY (S.E.G.) :

> WAY TIME ONE

VELOCITY FILTER \* VERTICAL COMPONENT.

RESIDUAL WAVEFIELD

PROCESSING SEQUENCE:

MEDIAN STACK APPLIED STATIC CORRECTION TO MSL: 9.18 MS BAND PASS FILTER 5-100 HZ NORMALISATION GATE: 100 MS TIME VARYING GAIN: T/T0\*\*1.00 DOWNGOING WAVEFIELD SUBTRACTION RESIDUAL WAVEFIELD

VERTICAL SCALE POLARITY (S.E.G.) : 10 CM/SEC NORMAL

535.0

600.0 6410.0 720.0 882.0 780.0 8840.0 970.0 1010.0 1055.0 1174.0 1215.0 1345.0 1510.0 1655.0 1600.0 1655.0 1690.0 1740.0 1740.0 1865.0 1891.0

635.0

720.0
720.0
760.0
760.0
760.0
84020
84020
84020
9200
9700
10100
10550
10160
1135.0
11740
1345.0
1425.0
1468.0
1555.0
1600.0
16050.0
16050.0
16050.0
1992.0
2030.0
20170.0
2280.0
2302.0
2302.0

5350

600.0
641.0
720.0
780.0
882.0
780.0
882.0
840.0
970.0
1010.0
1055.0
1135.0
1240.0
1280.0
1445.0
1493.0
1620.0
1620.0
1620.0
1493.0
1620.0
1845.0
1715.0
1715.0
17760.0
1800.0
1845.0
1920.0
2030.0
2030.0
2145.0
21238.0
2238.0
2238.0
2238.0

RAW DEPTH

695.0 7784.9 814.9 884.9 944.9 944.9 1069.9 1108.9 1108.9 1188.9 1278.7 1319.5 1278.3 1482.8 1573.3 1482.8 1573.3 1665.6 17751.4 1877.2 1991.2 2232.6 2232.6 2232.6 2334.9

5100

TRUE VERTICAL DEPTH MSL

WAY TIME ONE

VELOCITY FILTER \* VERTICAL COMPONENT

RESIDUAL WAVEFIELD

PROCESSING SEQUENCE:

MEDIAN STACK APPLIED STATIC CORRECTION TO MSL: 9.18 MS 5-100 HZ BAND PASS FILTER: NORMALISATION GATE: 100 MS TIME VARYING GAIN: T/T0\*\*1.00 DOWNGOING WAVEFIELD SUBTRACTION RESIDUAL WAVEFIELD

VERTICAL SCALE POLARITY (S.E.G.) : 10 CM/SEC NORMAL

WAY TIME

\* VELOCITY FILTER \* VERTICAL COMPONENT.

MEDIAN STACK APPLIED STATIC CORRECTION TO MSL: 9.18 MS BAND PASS FILTER: 5-100 HZ NORMALISATION GATE: TIME VARYING GAIN: T/T0\*\*1.00 DOWNGOING WAVEFIELD SUBTRACTION

ENHANCED UPGOING WAVEFIELD

PROCESSING SEQUENCE:

5 LEVEL ENHANCED UPGOING WAVEFIELD

VERTICAL SCALE POLARITY (S.E.G.) : 10 CM/SEC NORMAL

TWO WAY TIME

551 M 1793 M 1195 M 2084 M 1793 M 2084 M 2112 M Hydro Azımuth Azımuth