Schlumberger

R139/86

457001

AMOCO AUSTRALIA PETROLEUM CO.

VSP / SONIC CALIBRATION / GEOGRAM PROCESSING REPORT

PELICAN #5

FIELD	:	-
COUNTRY	:	AUSTRALIA
COORDINATES	:	40 20' 43.259"S 145 51' 49.971"E
PERMIT	:	T-22-P
DATE OF SURVEY	:	4-MARCH-1986
REFERENCE NO.	:	VSP 540487 GEOGRAM 540493

OR 357L

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1.0 INTRODUCTION

457004

A Vertical Seismic Profile was shot in the PELICAN #5 well on 4-March-1985. A total of 149 levels were shot between 78 and 4240 metres below KB with 113 levels being used in the final VSP processing.

The VSP was shot from 4240 metres to 2830 metres below KB using a water gun source and above 2830 metres using an airgun source. Some levels between 2870 and 2930 metres have been shot with both sources for comparison purposes. All shot times have been corrected to the vertical and to a nominal datum of Mean Sea Level.

VSP Objectives:

- to obtain a high resolution time-depth curve. As the levels are separated by an average of 6*milliseconds*, accurate velocity analysis can be made.
- to obtain a better tie between the VSP and Seismic. The lateral depth of investigation of a VSP is intermediate between surface seismic and logs (radius 20 metres).
- to determine the multiple content of the area by analysis of the downgoing wavetrains.

In addition to the above the VSP has other applications:

- Further analysis of the downgoing wavetrain provides information on the earth filtering of the seismic wave versus depth.
- The VSP has the properties of being Vertical, therefore minimising the effects of moveout. This simplifies greatly the analysis of highly dipping reflectors, and also the interpretation of data recorded in faulted areas.
- One of the most important applications of VSP's is the analysis of reflected signals below the sensor.
- As the VSP can be considered the optimum seismic expression at the wellbore it may be used as the input for further studies such as:-
  - Inversion
  - Trace Attributes
  - Power Spectra
  - Attenuation

2.0 DATA ACQUISITION

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Table 1 : Field Equipment and Survey Parameters

Elevation SRD	0.0 metres AMSL
Elevation KB	21.4 metres AMSL
Elevation DF	21.1 metres AMSL
Elevation GL	-78.3 metres AMSL
Well Deviation	Nil
Total Depth	4267 metres below KB
Energy Source(1)	Water gun, 400 cu.in.
Energy Source(2)	Bolt airgun,200 cu.in.
Source Offset	64.0 metres (both guns)
Source Depth	5.0 metres below MSL (both guns)
Source Azimuth	90°
Reference Sensor	Hydrophone
Sensor Offset	64.0 metres
Sensor Depth	7.0 metres below GL
Sensor Azimuth	90°
Downhole Geophone	Geospace HS-1
(WST tool)	High Temp. (350°F)
	Coil Resist. 225Ω +10 %
	Natural Freq. 8-12 Hz
	Sensitivity $52V/m/sec$
	Maximum tilt angle 60°

Recording was made on the Schlumberger Computerized Service Unit (CSU) using LIS format.

2.1 Survey Details

This survey was shot as a standard offshore Vertical Seismic Profile. The tool was run to T.D. and a number of shots were made between 4240 and 2830 metres below KB using the 400 cu. in. water gun. Some problems were encountered over the lower levels (4240 - 3630 metres below KB) probably due to the high downhole temperatures. A low signal/noise ratio reduces the value of these levels. Above 2830 metres data was recorded using the airgun due to the failure of the water gun. This data was mainly of very good quality. Some levels were repeated using the airgun between 2870 and 2930 metres for comparison with the water gun data.

3.0 SHOT DATA

A total of 149 levels were shot between 78 and 4240 metres below KB.

The levels FROM 78 to 1400 metres below KB were recorded for check shot purposes only and have not been included in the VSP processing. Of these levels the data at 78, 300, 700 and 800 metres below KB was poor and distorted by noise possibly due to casing arrivals. These levels were not used in the sonic calibration or computations.

Between 2870 and 2930 metres a number of levels were shot with both airgun and water gun for comparison purposes (see 4.0 Airgun / Water Gun Comparison). The levels shot using the airgun in this zone have been omitted from the VSP processing.

A number of levels have been omitted from the VSP processing due to the high levels of noise recorded in the data. These were mostly recorded using the water gun and are marked "omitted" in the table below. For some levels the recorded data was so poor that no stack was made. These levels have been marked "Not Stacked" in the table below.

The final VSP processing includes 113 levels of which the general data quality was good. A plot of the stacked data is included as PLOT 1.0 of the VSP displays.

Table 2

Level Depth (m below KB)	Stacked Shots	Rejected Shots	Quality	Comments
78	1	1	Poor	AG Check level only
100	4	0	Good	AG Check level only
200	6	0	Fair	AG Check level only
300	5	1	Poor	AG Check level only
400	4	0	Fair	AG Check level only
500	4	0	Fair	AG Check level only
600	4	2	Fair	AG Check level only
700	3	0	Poor	AG Check level only
800	10	1	Poor	AG Check level only
900	3	0	Fair	AG Check level only
1000	4	0	Fair	AG Check level only
1100	3	1	Fair	AG Check level only
1200	2	1	Good	AG Check level only
1300	4	0	Good	AG Check level only
1400	3	0	Good	AG Check level only

Table 2 (continued)

Level Depth (m below KB)	Stacked Shots	Rejected Shots	Quality	Comments
1500	1	5	Fair	AG
1530	1	6	Fair	AG
1550	3	3	Fair	AG
1570	3	10	Fair	AG
1590	5	4	Fair	AG
1610	1	5	Good	AG
1630	2	4	Good	AG
1650	1	5	Good	AG
1670	3	3	Good	AG
1690	4	2	Fair	AG **Noisy / Omitted**
1710	3	3	Good	AG
1730	4	2	Fair	AG
1750	2	4	Fair	AG
1770	2	4	Good	AG
1790	2	5	Good	AG
1810	4	3	Fair	AG
1830	5	2	Good	AG
1850	2	4	Good	AG
1870	3	5	Good	AG
1890	3	3	Good	AG
1910	3	4	Fair	AG
1930	3	3	Good	AG
1950	4	2	Good	AG
1970	2	4	Good	AG
1990	4	2	Good	AG
2010	5	2	Good	AG
2030	2	4	Good	AG
2050	3	3	Good	AG
2070	1	5	Good	AG
2090	3	3	Good	AG
2110	5	1	Good	AG
2130	4	2	Good	AG
2150	2	5	Good	AG
2170	4	2	Good	AG
2190	2	4	Good	AG
2210	4	2	Good	AG
2230	3	4	Good	AG
2250	3	3	Good	AG
2270	2	4	Good	AG
2290	2	5	Good	AG

Table 2 (continued)

Level Depth (m below KB)	Stacked Shots	Rejected Shots	Quality	Comments
2310	3	3	Good	AG
2330	4	3	Good	AG
2350	5	1	Good	AG
2370	3	3	Good	AG
2390	3	3	Good	AG
2410	7	0	Good	AG
2430	6	1	Good	AG
2450	5	2	Good	AG
2464	5	3	Good	AG
2490	5	2	Good	AG
2510	3	4	Good	AG
2530	5	2	Good	AG
2550	5	2	Good	AG
2570	5	2	Good	AG
2590	6	2	Good	AG
2610	4	3	Good	AG
2630	4	3	Good	AG
2650	6	1	Good	AG
2670	6	1	Good	AG
2690	7	0	Good	AG
2710	7	0	Good	AG
2730	6	1	Good	AG
2750	6	1	Good	AG
2770	6	1	Good	AG
2784	7	0	Fair	AG Omitted
2790	7	0	Fair	AG Omitted
2810	7	0	Good	AG
2830	2	17	Fair	WG 11 shots with airgun
2850	7	0	Good	WG
2870	6	0	Good	AG Omitted

Table 2 (continued)

Level Depth (m below KB)	Stacked Shots	Rejected Shots	Quality	Comments
2870	0	3	Bad	Not Stacked
2870	7	0	Good	WG
2880	0	8	Bad	Not Stacked
2888	0	9	Bad	Not Stacked
2890	6	2	Fair	AG Omitted
2890	7	1	Fair	WG
2910	7	7	Good	WG 7 shots with airgun
2910	0	7	Poor	WG Not Stacked
2930	7	0	Fair	AG Noisy / Omitted
2930	7	0	Fair	WG
2950	2	13	Fair	WG Omitted
2970	7	0	Fair	WG
2990	7	0	Fair	WG
3010	6	1	Fair	WG
3030	7	0	Fair	WG
3050	7	0	Fair	WG
3070	7	0	Fair	WG
3090	7	0	Fair	WG
3110	7	0	Fair	WG
3130	7	0	Fair	WG
3150	7	0	Fair	WG
3170	7	0	Fair	WG
3190	6	1	Fair	WG
3210	4	4	Poor	WG Noisy / Omitted
3230	5	2	Fair	WG
3250	6	1	Fair	WG
3270	7	0	Fair	WG
3290	6	1	Fair	WG
3310	6	1	Fair	WG
3330	6	1	Fair	WG
3350	5	1	Fair	WG

Table 2 (continued)

Level Depth (m below KB)	Stacked Shots	Rejected Shots	Quality	Comments
3370	2	5	Fair	WG
3390	4	4	Fair	WG
3410	3	4	Fair	WG
3430	6	1	Fair	WG
3450	7	0	Fair	WG
3470	7	0	Fair	WG
3490	7	0	Fair	WG
3510	6	2	Fair	WG
3530	6	2	Fair	WG
3550	4	3	Fair	WG
3570	3	4	Poor	WG Noisy / Omitted
3590	5	2	Fair	WG
3610	7	0	Fair	WG
3630	4	4	Fair	WG
3650	3	0	Fair	WG
3700	3	1	Fair	WG
3750	3	0	Fair	WG
3800	3	0	Fair	WG
3850	3	0	Fair	WG
3900	3	0	Fair	WG
3930	3	0	Poor	WG Noisy / Omitted
3980	0	15	Poor	WG Not stacked
4000	2	4	Fair	WG
4100	0	1	Bad	WG Not stacked
4130	0	14	Bad	WG Not stacked
4140	0	10	Bad	WG Not stacked
4150	3	3	Fair	WG
4170	6	2	Fair	WG
4178	0	5	Bad	WG Not stacked
4180	0	4	Bad	WG Not stacked
4200	4	4	Poor	WG Noisy
4220	8	0	Poor	WG Noisy
4240	9	3	Poor	WG Noisy

AG = Airgun, WG = Water Gun

4.0 AIRGUN/WATER GUN COMPARISON

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The watergun is considered the optimum source for offshore VSP surveys. The physical operation of the watergun varies fundamentally from the standard single airgun due to the fact that the primary pulse is created from the implosion of a vacuum rather than the explosion of an air bubble. This gives the watergun the following advantages over the single airgun :-

- broader frequency spectrum
- no bubble effect.

The Pelican-5 data set exemplifies these characteristics. Plot 1.2 shows the faster "rise time" of the watergun spike - implying the data is richer in the higher frequencies. The bubble effect associated with the airgun is best seen on plot 1.3.

Due to the mixed phase characteristic of the watergun signature the measurement of the first downhole break is no longer as trivial as that with the minimum phase airgun. To resolve this difficulty the approach of picking the 3rd zero crossing of the watergun trace has been adopted after comparison of many airgun/watergun data sets. This heuristic approach is confirmed by a cursory inspection of the comparison levels shot on Pelican-5 as displayed in plot 1.3.

The merge of watergun and airgun levels in the final displays proves the integrity of the total data set.

5.0 VSP PROCESSING

5.1 PLOT 1 - STACKED DATA

All the shots at each level, excluding those with a high level of noise are stacked using a mean stacking method. Both airgun and water gun levels are included on this display. Labelled depths are measured depths referenced to Kelly Bushing.

5.2 PLOT 2 - BPF and TAR

Plot 2 data is displayed in One Way Time and corrected to SRD.

All levels not used in the VSP processing have been omitted at this stage. A Band Pass Filter of bandwidth 14-48 Hz is applied to the data to eliminate high and low frequency noise.

True Amplitude Recovery is a time variant gain function to compensate for spherical spreading and attenuation losses. The amplitude at time T is multiplied by $(\frac{T}{T_0})^{\alpha}$ where T_0 is the first break time and α is the TAR factor.

Plots 2.2 and 2.3 are equivalent to plots 2.0 and 2.1 excepting that Automatic Gain Control (AGC) has been applied.

Band Pass Filter	:	14-48Hertz
TAR Factor	:	1.2
AGC Window	:	400ms

5.3 PLOT 3 - VELOCITY FILTER

A 7 level median velocity filter is used to seperate the upgoing and downgoing components of the total wavefield. Data from this stage is displayed in Two Way Time. Plot 3.2 is equivalent to plot 3.0 excepting that Automatic Gain Control (AGC) using a 400 ms window has been applied.

5.4 PLOT 4 - WAVESHAPE DECONVOLUTION

The objective of deconvolution is to remove multiples and to shape the seismic signal to a prescribed wavelet. This data is deconvolved to a zero phase wavelet. The parameters for the deconvolution are selected from the downgoing signals after velocity filtering.

The Waveshape Deconvolution parameters used:

Window	:	2.0 seconds
Wavelet	:	Zero Phase 14-48 Hertz

5.5 PLOTS 5/6 - MONTAGE INCLUDING CORRIDOR STACKS AND GEOGRAM

Automatic gain control (AGC) using a window of 400 ms has been applied to the upgoing events after deconvolution.

The upgoing events after waveshape deconvolution are stacked and displayed alongside the deconvolved upgoing wavefield. Two stacks are made, one using all data and the other using the first 100ms of each wavetrain. The latter should simulate the reflectors at the borehole.

Alongside this data are GEOGRAM traces convolved using a zero phase 30Hz Ricker wavelet. Relevant log data has also been displayed.

Both polarities of this data have been displayed.

5.6 PLOTS 7/8/9 - MINIMUM PHASE DISPLAYS

Plots 7,8 and 9 are equivalent to plots 4,5 and 6 respectively except that the data has been deconvolved to a minimum phase wavelet. All other parameters are similar. The GEOGRAM traces diplayed on plots 8 and 9 have been convolved using a minimum phase 30Hz Ricker wavelet.

Plot 1.1 is displayed at a time scale of 50 in/sec, plots 1.2 and 1.3 are displayed at 10 in/sec. All other plots are displayed at a time scale of 3.75 in/sec.

6.0 SONIC CALIBRATION

A 'drift' curve is obtained using the sonic log and the vertical check level times. The term 'drift' is defined as the seismic time (from check shots) minus the sonic time (from integration of edited sonic). Commonly the word 'drift' is used to identify the above difference, or to identify the gradient of drift verses increasing depth, or to identify a difference of drift between two levels.

The gradient of drift, that is the slope of the drift curve, can be negative or positive.

For a negative drift $\frac{\Delta drift}{\Delta depth} < 0$, the sonic time is greater than the seismic time over a certain section of the log.

For a positive drift $\frac{\Delta drift}{\Delta depth} > 0$, the sonic time is less than the seismic time over a certain section of the log.

The drift curve, between two levels, is then an indication of the error on the integrated sonic or an indication of the amount of correction required on the sonic to have the TTI of the corrected sonic match the check shot times.

Two methods of correction to the sonic log are used.

1. **Uniform or block shift** This method applies a uniform correction to all the sonic values over the interval. This uniform correction is applied in the case of positive drift and is the average correction represented by the drift curve gradient expressed in $\mu sec/ft$.

2. **ΔT Minimum** In the case of negative drift a second method is used, called Δt minimum. This applies a differential correction to the sonic log, where it is assumed that the greatest amount of transit time error is caused by the lower velocity sections of the log. Over a given interval the method will correct only Δt values which are higher than a threshold, the Δt_{min}. Values of Δt which are lower than the threshold are not corrected. The correction is a reduction of the excess of Δt over Δt_{min}, $\Delta t - \Delta t_{min}$.

   $\Delta t - \Delta t_{min}$ is reduced through multiplication by a reduction coefficient which remains constant over the interval. This reduction coefficient, named G, can be be defined as:

   $$G = 1 + \frac{drift}{\int(\Delta t - \Delta t_{min})dZ}$$

   Where drift is the drift over the interval to be corrected and the value $\int(\Delta t - \Delta t_{min})dZ$ is the time difference between the integrals of the two curves Δt and Δt_{min}, only over the intervals where $\Delta t > \Delta t_{min}$.

   Hence the corrected sonic: $\Delta t = G(\Delta t - \Delta t_{min}) + \Delta t_{min}$.

7.0 SONIC CALIBRATION PROCESSING

7.1 Open Hole Logs

Both sonic and density logs have been edited prior to input into the Seismic Calibration processing chain. The sonic has been edited primarily for noise spikes and cycle skips. Cycle skipping is notable over the following zones: 1431 - 1435, 1575 - 1581, 2957 - 2961, 3252 - 3253 and 3930 - 3940 metres below KB. Between runs 3 and 4 the sonic curve has been patched at a constant velocity. The sonic log has been extrapolated from 411 metres up to 400 metres below KB to include the check level at 400 metres in the calibration of the log.

No density data was available above 1776 metres below KB and hence for GEOGRAM purposes a constant value of 2.2 g/cc has been imposed. In places the density log is greatly affected by poor hole conditions aswell as being adversely affected on the lower runs by problems with the tool sticking over a number of intervals. The density log has been patched over the following zones: 2498 - 2499, 2995 - 2998, 3057 - 3067, 3114 - 3118, 3256 - 3259, 3402 - 3406, 3484 - 3485, 3521 - 3526, 3558 - 3569, 3706 - 3714, 3810 - 3825, 3845 - 3856, 4218 - 4222 metres below KB. A number of smaller zones have also been patched.

Density log interval	:	1776 to 4250 metres below KB
Sonic log interval	:	400 to 4250 metres below KB

7.2 Correction to Datum

Seismic Reference Datum (SRD) is at Mean Sea Level. The airgun was positioned 5 metres below Mean Sea Level. Using a water velocity of 1480 m/sec a vertical time correction of 3.33 msec is calculated and applied to all transit times to correct from the source to SRD.

7.3 Velocity Modelling

From SRD to 400 metres the sonic log has been modelled using the interval velocities calculated from the check levels at 100, 200 and 400 metres below KB.

7.4 Sonic Calibration Results

The top of the sonic log (400.0 metres below KB)is chosen as the origin for the calibration drift curve.

The drift curve indicates a number of corrections to be made to the sonic log. A list of shifts used on the sonic data is given below. There is some scatter of a number of the check shot points on the drift curve. To apply the drift indicated by individual check levels would be unreasonable hence the general drift trends have been followed. Check levels recorded using an airgun have been labelled AG on the drift curve and those recorded with the water gun are labelled WG.

Table 3

Depth Interval (m below KB)	Block Shift $\mu sec/ft$	Δt_{min} $\mu sec/ft$	Equiv Block Shift $\mu sec/ft$
0-400	0	-	0
400-845.5	2.33	-	2.33
845.5-1311	-	123.30	-8.12
1311-1747.5	0.84	-	0.84
1747.5-2466	2.25	-	2.25
2466-3110	1.18	-	1.18
3110-3594.5	5.79	-	5.79
3594.5-3883	7.18	-	7.18
3883-4121	-	64.34	-2.31
4121-4250	0	-	0

The adjusted sonic curve is considered to be the best result using the available data.

8.0 GEOGRAM PROCESSING 457017

GEOGRAMS were generated using zero phase and minimum phase Ricker wavelets with frequencies at 20, 30 and 40 Hz. The presentations are in normal and reverse polarity at a time scale of 3.75 in/sec.

GEOGRAM processing produces synthetic seismic traces based on reflection coefficients generated from sonic and density measurements in the well-bore. The steps in the processing chain are the following:

Time to depth conversion
Generate reflection coefficients
Generate attenuation coefficients
Choose a suitable wavelet
Convolution
Output.

8.1 Time to Depth Conversion

Open hole logs are recorded from the bottom to top with a depth index. This data is converted to a two-way time index and flipped to read from the top to bottom in order to match the seismic section.

8.2 Primary Reflection Coefficients

Sonic and density data are averaged over chosen time intervals (normally 2 or 4 millisecs). Reflection coefficients are then computed using:

$$R = \frac{\rho_2.\nu_2 - \rho_1.\nu_1}{\rho_2.\nu_2 + \rho_1.\nu_1}$$

where

ρ_1 = density of the layer above the reflection interface
ρ_2 = density of the layer below the reflection interface
ν_1 = compressional wave velocity of the layer above the reflection interface
ν_2 = compressional wave velocity of the layer below the reflection interface

This computation is done for each time interval to generate a set of primary reflection coefficients without transmission losses.

8.3 Primaries with Transmission Loss

Transmission loss on two-way attenuation coefficients are computed using:

$$A_n = (1 - R_1^2).(1 - R_2^2).(1 - R_3^2)...(1 - R_n^2)$$

A set of primary reflection coefficients with transmission loss is generated using:

$$Primary_n = R_n.A_{n-1}$$

8.4 Primaries plus Multiples

Multiples are computed from these input reflection coefficients using the transform technique from the top of the well to obtain the impulse response of the earth. The transform outputs primaries plus multiples.

8.5 Multiples Only

By subtracting previously calculated primaries from the above result we obtain multiples only.

8.6 Wavelet

A theoretical wavelet is chosen to use for convolution with the reflection coefficients previously generated. Choices available include:

Klauder wavelet
Ricker zero phase wavelet
Ricker minimum phase wavelet
User defined wavelet.

All wavelets can be chosen with or without butterworth filtering and with user defined centre frequencies. Polarity conventions are shown in Figure 1. These GEOGRAMS were generated using zero and minimum phase ricker wavelets.

8.7 Convolution

Standard procedure of convolution of wavelet with reflection coefficients. The output is the synthetic seismogram.

9.0 SUMMARY OF GEOPHYSICAL LISTINGS

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Six geophysical data listings are appended to this report. Following is a brief description of the format of each listing.

9.1 Geophysical Airgun Report

1. Level number : the level number starting from the top level (includes any imposed shots).
2. Vertical depth from KB : *drt*, the depth in feet from kelly bushing.
3. Vertical depth from SRD : *dsrd*, the depth in feet from seismic reference datum.
4. Vertical depth from GL : *dgl*, the depth in feet from ground level.
5. Observed travel time HYD to GEO : *tim0*, the transit time picked from the stacked data by subtracting the surface sensor first break time from the downhole sensor first break time.
6. Vertical travel time SRC to GEO : *timv*, is corrected for source to hydrophone distance and for source offset.
7. Vertical travel time SRD to GEO : *shtm*, is *timv* corrected for the vertical distance between source and datum.
8. Average velocity SRD to GEO : the average seismic velocity from datum to the corresponding checkshot level, $\frac{dsrd}{shtm}$.
9. Delta depth between shots : $\Delta depth$, the vertical distance between each level.
10. Delta time between shots : $\Delta time$, the difference in vertical travel time (*shtm*) between each level.
11. Interval velocity between shots : the average seismic velocity between each level, $\frac{\Delta depth}{\Delta time}$.

9.2 Drift Computation Report

1. Level number : the level number starting from the top level (includes any imposed shots).
2. Vertical depth from KB : the depth in feet from kelly bushing.
3. Vertical depth from SRD : the depth in feet from seismic reference datum.
4. Vertical depth from GL : the depth in feet from ground level.
5. Vertical travel time SRD to GEO : the calculated vertical travel time from datum to downhole geophone (see column 7, Geophysical Airgun Report).
6. Integrated raw sonic time : the raw sonic log is integrated from top to bottom and listed at each level. An initial value at the top of the sonic log is set equal to the checkshot time at that level. This may be an imposed shot if a shot was not taken at the top of the sonic.
7. Computed drift at level : the checkshot time minus the integrated raw sonic time.
8. Computed blk-shft correction : the drift gradient between any two checkshot levels ($\frac{\Delta drift}{\Delta depth}$).

9.3 Sonic Adjustment Parameter Report

1. Knee number : the knee number starting from the highest knee. (The first knees listed will generally be at SRD and the top of sonic. The drift imposed at these knees will normally be zero.)
2. Vertical depth from KB : the depth in feet from kelly bushing.
3. Vertical depth from SRD : the depth in feet from seismic reference datum.
4. Vertical depth from GL : the depth in feet from ground level.
5. Drift at knee : the value of drift imposed at each knee.
6. Blockshift used : the change in drift divided by the change in depth between any two levels.
7. Delta-T minimum used : see section 4 of report for an explanation of Δt_{min}.
8. Reduction factor : see section 4 of report.
9. Equivalent blockshift : the gradient of the imposed drift curve.

9.4 Velocity Report

1. Level number : the level number starting from the top level (includes any imposed shots).
2. Vertical depth from KB : the depth in feet from kelly bushing
3. Vertical depth from SRD : the depth in feet from seismic reference datum
4. Vertical depth from GL : the depth in feet from ground level
5. Vertical travel time SRD to GEOPH : the vertical travel time from SRD to downhole geophone (see column 7, Geophysical Airgun Report)
6. Integrated adjusted sonic time : the adjusted sonic log is integrated from top to bottom. An initial value at the the top of the sonic is set equal the checkshot time at that level. (The adjusted sonic log is the drift corrected sonic log.)
7. Drift=shot time-raw son : the check shot time minus the raw integrated sonic time.
8. Residual=shot time-adj son : the check shot time minus the adjusted integrated sonic time. This is the difference between calculated drift and the imposed drift.
9. Adjusted interval velocity : the interval velocity calculated from the integrated adjusted sonic time at each level.

9.5 Time Converted Velocity Report

The data in this listing has been resampled in time.

1. Two way travel time from SRD : This is the index for the data in this listing. The first value is at SRD (0 millisecs) and the sampling rate is 2 millisecs.
2. Measured depth from KB : the depth from KB at each corresponding value of two way time.
3. Vertical depth from SRD : the vertical depth from SRD at each corresponding value of two way time.
4. Average velocity SRD to GEO : the vertical depth from SRD divided by half the two way time.
5. RMS velocity : the root mean square velocity from datum to the corresponding value of two way time.
$$v_{rms} = \sqrt{\Sigma_1^n v_i^2 t_i / \Sigma_1^n t_i}$$
where v_i is the velocity between each 2 millisecs interval.
6. First normal moveout : the correction time in millisecs to be applied to the two way travel time for a specified moveout distance (default = 3000 feet).
7. Second normal moveout : the correction time in millisecs to be applied to the two way travel time for a specified moveout distance (default = 4500 feet).
8. Third normal moveout : the correction time in millisecs to be applied to the two way travel time for a specified moveout distance (default = 6000 feet).
9. Interval velocity : the velocity between each sampled depth. Typically, the sampling rate is 2 millisecs two way time, (1 millisec one way time) therefore the interval velocity will be equal to the depth increment divided by 0.001. It is equivalent to column 9 from the the Velocity Report.

9.6 Synthetic Seismogram Table

1. Two way travel time from SRD : This is the index for the data in this listing. The first value is at the top of the sonic. The default sampling rate is 2 millisecs.
2. Vertical depth from SRD : the vertical depth from SRD at each corresponding value of two way time.
3. Interval velocity : the velocity between each sampled depth. Typically, the sampling rate is 2 millisecs two way time, (1 millisec one way time) therefore the interval velocity will be equal to the depth increment divided by 0.001. It is equivalent to column 9 from the the Velocity Report.
4. Interval density : the average density between two successive values of two way time.
5. Reflect. coeff. : the difference in acoustic impedance divided by the sum of the acoustic impedance between any two levels. The acoustic impedance is the product of the interval density and the interval velocity.
6. Two way atten. coeff. : is computed from the series
$$A_n = (1 - R_1^2).(1 - R_2^2).(1 - R_3^2)...(1 - R_n^2)$$

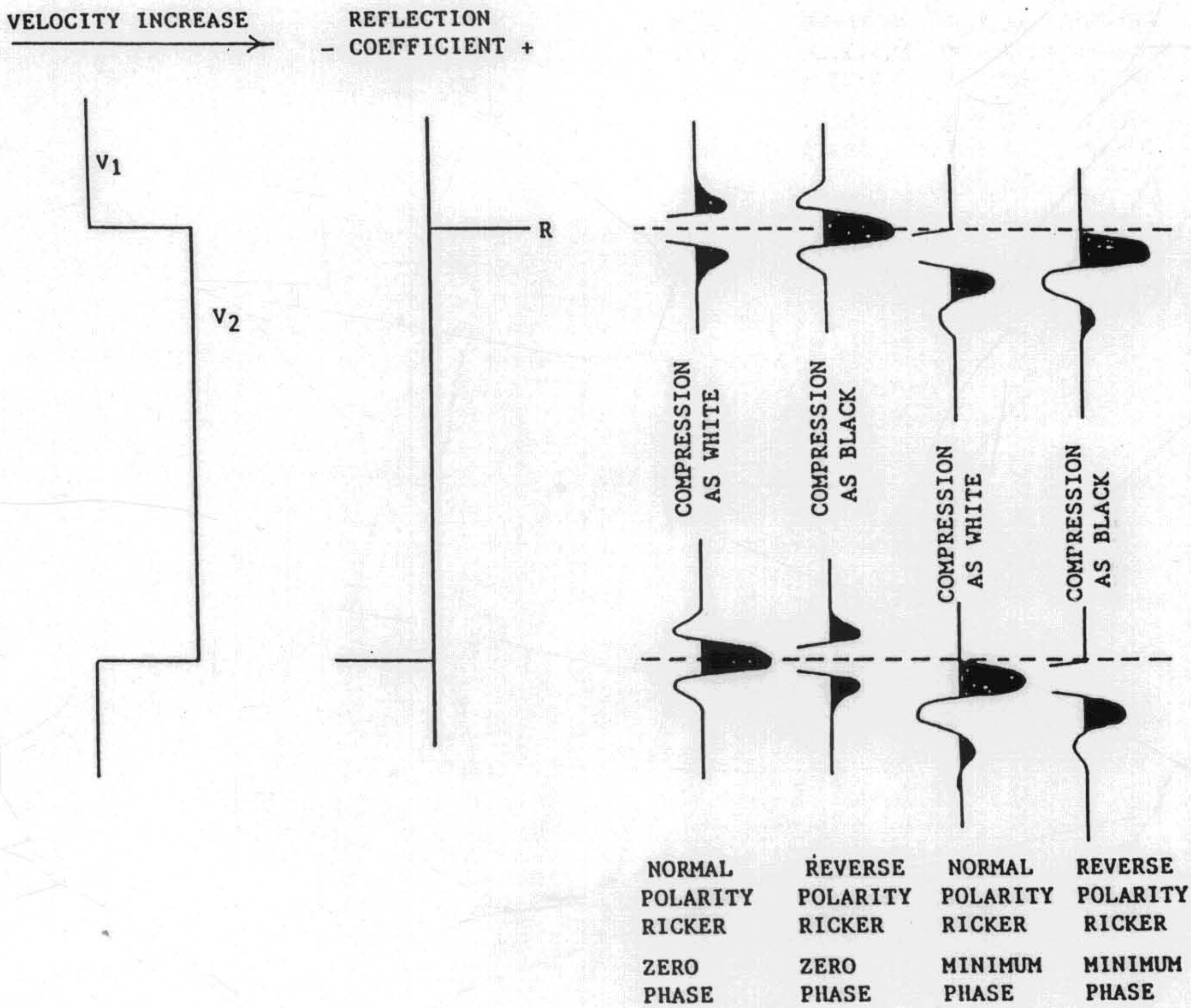
7. Synthetic seismo. primary : the product of the reflection coefficient at each depth and the two way attenuation coefficient up to that depth.

$$Primary_n = R_n.A_{n-1}$$

8. Primary + multiple : a transform technique is used to calculate multiples from the input reflection coefficients.
9. Multiples only : (Primary + multiple) - (Synthetic seismo. primary)

<u>SCHLUMBERGER WAVELET POLARITY CONVENTION</u>

457023



NOTE: WAVELET DISPLAYED UNDER GEOGRAMS ARE FOR A REFLECTION COEFFICIENT OF -0.5

FIGURE 1

ATTACHMENT 1

Schlumberger

WELL SEISMIC SERVICE COMPUTATION REQUEST

457024

COMPANY: AMOCO AUST. CONTACT: J.TAYLOR

WELL: PELICAN #5

FIELD/COUNTRY: - / AUSTRALIA

LOCATION/DIVISION: VEA/ANZ

DATE WST JOB: 4-MAR-86

DATE SENT:

BY:

NUMBER OF COPIES OF RESULTS (CLIENT)

PRODUCT	REPORTS	PLOT TRANSP.	PLOT PRINT	TAPE
WSE				#1 x 1
WSC	10	1	10	#2 x 1
GEO	10	1	10	
VSP	10	1	10	

DATA SUPPLIED FOR INTERVALS TO BE PROCESSED

	FROM	TO
A. LOGS : DENSITY	1776	4250
SONIC	400	4250
B. SHOTS	78	4240

UNITS: FEET ☐ METRES ☒

CLIENT TAPE: FORMAT: TAPE #1 SEGY ☒ TAPE #2 LIS ☒

DENSITY 1600 BPI ☒ 1600 BPI ☒

SONIC CALIBRATION BY WST (WSC)

URGENT? YES ☐ NO ☐

IS A WELL SEISMIC EDIT (WSE) REQUESTED? YES ☐ NO ☐

(WSE IS RECOMMENDED WHERE FIELD STACK QUALITY IS AFFECTED BY BAD HOLE CONDITIONS)

REQUESTED TIME ORIGIN (SRD) ________ METRES ABOVE/BELOW MEAN SEA LEVEL (MSL)

STATIC CORRECTION TO BE APPLIED : -

________ MILLISECONDS FROM GROUND LEVEL OR

LAYER	VELOCITY	FROM	TO
1			
2			
3			

TRUE VERTICAL DEPTH (TVD) CORRECTION? YES ☐ NO ☐ (TVD IS RECOMMENDED IF DEVIATION EXCEEDS 5°)

DEVIATION DATA SUPPLIED? YES ☐ NO ☐

11 INCH WSC DISPLAY DEPTH SCALES TO BE USED (UP TO TWO) 1/5000 ☐ 1/1000 ☐ OTHER ☐

22INCH WIDE TIME/DEPTH DISPLAY SPECIAL TIME FUNCTION? (T – DEPTH/VELOCITY) YES ☐ NO ☐ VELOCITY ☐

22 INCH WIDE GEOLOGICAL INTERVAL VELOCITY DISPLAY? YES ☐ NO ☐ GEOLOGICAL MARKERS SUPPLIED ☐

SPECIAL SCALES TO BE USED? SPECIFY

GEOGRAM

URGENT? YES ☐ NO ☐

FREQUENCY TEST TO BE SUPPLIED BEFORE FINALIZATION (8 BAND WIDTHS) YES ☐ NO ☐

FINAL GEOGRAM PARAMETERS : -

(ONE GEOGRAM INCLUDES DISPLAYS IN BOTH POLARITIES FOR EACH OF, PRIMARIES, PRIMARIES + MULTIPLES, PRIMARIES WITH TRANSMISSION LOSS, MULTIPLES ONLY FOR THE CHOSEN WAVELET AND T.V.F.)

WAVELET	FREQ.
KLAUDER ☐	
MIN PHASE ☐	✓
ZERO PHASE ☐	✓
OTHER: ☐	

	T. LOW	T. HIGH	F. LOW	F. HIGH
T.				
V.				
F.				

SCALE IS 10 CM/SEC + ONE OTHER – SPECIFY ☐

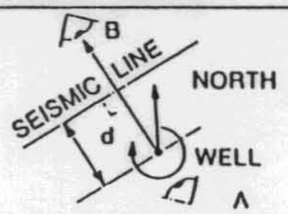
DIP OPTION YES ☐ NO ☐

SEISMIC LINE NUMBER ________

(ENCLOSE WELL LOCATION MAP VERSUS SEISMIC LINE)

DISTANCE BETWEEN TRACES ________

SECTION PERSPECTIVE: SEEN FROM A ☐ FROM B ☐



d ________

∝ ________

∝ (CLOCKWISE)

SPECIAL REQUESTS: ________

VERTICAL SEISMIC PROFILE

URGENT? YES ☐ NO ☐

UP TO 3 VELOCITY FILTER TESTS WILL BE SENT PROVISIONALLY

SPECIFY NUMBER OF TRACES IN WINDOW REQUIRED 3 ☐ 5 ☐ 7 ☐ 9 ☐ 11 ☐

TIME VARIANT FILTER (TVF) TO BE APPLIED ON FINAL DISPLAY : -

SCALE IS 10 CM/SEC + ONE OTHER. SPECIFY ☐

SPECIAL REQUESTS?

TIME 1	TIME 2	FLOW	F. HIGH

ENCLOSE SEISMIC SECTION. INDICATE RELATION TO WELL ON A DIAGRAM

ATTACHMENT 2

457025

Schlumberger

WELL SEISMIC SERVICE FIELD REPORT

COMPANY	WELL	DATE	LOCATION	ENGINEER	WITNESSED BY
AMOCO AUST.	PELICAN #5	4-MAR-86	VEA	WINSLOE	G.HEEMINK

FEET [ ] METRES [X] JACK UP [ ] SHIP [ ] LAND [ ] PLATFORM [ ] SEMI-SUB [ ] WEATHER:

SCHLUMBERGER ZERO: KELLY BUSHING AT ELEVATION: 21.4m RELATIVE TO S.R.D.:
LOG MEASURED FROM: KB AT ELEVATION 0m RELATIVE TO SCHLUMBERGER ZERO:
DRILLING MEASURED FROM: KB AT ELEVATION 0m RELATIVE TO SCHLUMBERGER ZERO

SOURCE
GUN TYPE WATER [X] AIR [X]
VOLUME _____ x _____ CU INCHES
PRESSURE _____ BARS WAVESHAPING KIT [ ]
VIBRATOR TYPE _____
SWEEP LENGTH _____ SECONDS
FROM _____ HZ TO _____ HZ

TIDAL INFORMATION DISTANCE HOUR DATE
TIDE LEVEL TO M.S.L.
(RECORD IF LEVEL VARIES MORE THAN 2 METRES DURING SURVEY)

CSU SOFTWARE VERSION 28.2 MAX. HOLE DEV: AZIM:

NOTE: SHOTS HIGHLY RECOMMENDED AT TD, TOP EACH SONIC, ABOVE AND BELOW BAD HOLE INTERVALS

UNCORRECTED RESULTS Quality: G = Good, P = Poor, U = Unsatisfactory

	DEPTH	STACK / SHOT No.	FILTERS	TRANSIT TIME	HOUR	FILE	STACKED SHOTS	QUALITY/REMARKS
	4240	1	5-60	1410.8	22.05	1	2,4,5,7,9,10	
	4240	2	5-60	1410.8	22.10	1	2,4,5,7,9,10,12	
	4220	3	5-60	1402.9	22.20	1	13-17,19,20	
	4200	4	5-60	1400.6	22.30	1	21,22,24-26,28,29	
	4170	5	5-60	1391.6	22.59	1	39-43,45,46	
	4140	6	5-60	1175.9	23.25	1	48	
	4150	7	5-60	1386.2	00.04	1	57,58,59	
	4130	8	5-60	1379.0	00.27	1	64,65,67-71	
	4000	9	5-60	1352.1	01.07	1	79-83	
	3900	13	5-60	1328.5	01.50	1	102-104	
	3850	14	5-60	1313.0	01.56	1	105-107	
	3800	15	5-60	1295.4	02.01	1	108-110	
	3750	16	5-60	1282.5	02.06	1	111-113	
	3700	17	5-60	1274.6	02.12	1	114-117	
	3650	18	5-60	1261.8	02.17	1	118-120	
	3630	19	5-60	1253.5	02.27	1	121,123-128	
	3610	20	5-60	1248.6	02.35	1	129-135	
	3590	21	5-60	1243.1	02.42	1	136-142	
	3570	22	5-60	1240.6	02.50	1	143-147,149,150	
	3550	23	5-60	1231.5	02.58	1	151-157	
	3530	24	5-60	1227.1	03.05	1	158-160,162-165	
	3510	25	5-60	1222.2	03.11	1	166-169,171-173	
	3490	26	5-60	1217.6	03.17	1	174-180	
	3470	27	5-60	1210.7	03.23	1	181-187	
	3450	28	5-60	1206.4	03.29	1	188-194	
	3430	29	5-60	1200.4	03.35	1	195-201	
	3410	30	5-60	1195.6	03.40	1	202-208	
	3390	31	5-60	1191.8	03.48	1	210-216	
	3370	32	5-60	1185.4	03.55	1	217-223	
	3350	33	5-60	1178.7	04.00	1	224-230	
	3330	34	5-60	1176.1	04.08	1	231-237	
	3310	35	5-60	1169.6	04.13	1	238-244	
	3290	36	5-60	1161.6	04.19	1	245-251	
	3270	37	5-60		04.25	1	252-258	

Schlumberger

WELL SEISMIC SERVICE FIELD REPORT

COMPANY	WELL	DATE	LOCATION	ENGINEER	WITNESSED BY
AMOCO AUST.	PELICAN #5	4-MAR-86	VEA	WINSLOE	C. HEEMINK

FEET ☐ METRES ☒ | JACK UP ☐ SHIP ☐ LAND ☐ | PLATFORM ☐ SEMI-SUB ☐ | WEATHER:

SCHLUMBERGER ZERO: KELLY BUSHING AT ELEVATION: 21.4m RELATIVE TO S.R.D.:
LOG MEASURED FROM: KB AT ELEVATION 0m RELATIVE TO SCHLUMBERGER ZERO:
DRILLING MEASURED FROM: KB AT ELEVATION 0m RELATIVE TO SCHLUMBERGER ZERO

SOURCE
GUN TYPE WATER ☒ AIR ☒
VOLUME ______ x ______ CU INCHES
PRESSURE __________ BARS WAVESHAPING KIT ☐
VIBRATOR TYPE __________
SWEEP LENGTH __________ SECONDS
FROM ________ HZ TO ________ HZ

TIDAL INFORMATION DISTANCE HOUR DATE
TIDE LEVEL TO M.S.L.
(RECORD IF LEVEL VARIES MORE THAN 2 METRES DURING SURVEY)

CSU SOFTWARE VERSION 28.2 | MAX. HOLE DEV: | AZIM:

NOTE: SHOTS HIGHLY RECOMMENDED AT TD, TOP EACH SONIC, ABOVE AND BELOW BAD HOLE INTERVALS

UNCORRECTED RESULTS Quality: G = Good, P = Poor, U = Unsatisfactory

	DEPTH	STACK / SHOT No.	FILTERS	TRANSIT TIME	HOUR	FILE	STACKED SHOTS	QUALITY/REMARKS
	3250	38	5-60	1152.5	04.30	1	259-265	
	3230	39	5-60	1145.7	04.37	2	266-272	
	3210	40	5-60	1144.2	04.47	2	274,276-278,280	
	3170	42	5-60	1131.4	05.00	2		
	3150	43	5-60	1125.2	05.06	2	295-301	
	3130	44	5-60	1121.2	05.12	2	302-308	
	3110	45	5-60	1112.1	05-19	2	309-315	
	3090	46	5-60	1108.7	05.26	2	316-322	
	3070	47	5-60	1104.5	05.31	2	323-329	
	3050	48	5-60	1100.6	05.37	2	330-336	
	3030	49	5-60	1093.7	05.42	2	337-343	
	3010	50	5-60	1088.4	05.48	2	344-350	
	2990	51	5-60	1084.4	05.53	2	351-357	
	2970	52	5-60	1077.3	05.59	2	358-364	
	2950	53	5-60	1072.5	06.05	2	365-371	
	2930	54	5-60	1067.1	06.11	2	372-378	
	2910	55	5-60	1059.9	06-18	2	379-385	
	2910	1	5-60	1059.7	13.32	1	1-7	
	2890	2	5-60	1053.9	13.38	1	8-14	
	2870	3	5-60	1049.2	13.43	1	15-21	
	2850	4	5-60	1045.3	13.49	1	22-28	
	2830	5	5-60	1039.7	13.53	1	29-32	
								WATER GUN FAILED
	2790	9	5-60	1041.6	14.51	1	55-61	AIRGUN
	2784	10	5-60	1038.6	14.56	1	62-68	
	2770	11	5-60	1035.9	15.00	1	69-75	
	2750	12	5-60	1027.4	15.05	1	76-82	
	2730	13	5-60	1022.4	15.10	1	83-89	
	2710	14	5-60	1017.0	15.15	1	90-96	
	2690	15	5-60	1012.2	15.20	1	97-103	
	2670	16	5-60	1006.2	15.31	1	104-110	
	2650	17	5-60	1001.8	15.35	2	111-117	
	2630	18	5-60	995.7	15.41	2	118-124	

457027

Schlumberger

WELL SEISMIC SERVICE FIELD REPORT

COMPANY	WELL	DATE	LOCATION	ENGINEER	WITNESSED BY
AMOCO AUST.	PELICAN #5	4-MAR-86	VEA	WINSLOE	G.HEEMINK

FEET [ ] METRES [X] JACK UP [ ] SHIP [ ] LAND [ ] PLATFORM [ ] SEMI-SUB [ ] WEATHER:

SCHLUMBERGER ZERO: KELLY BUSHING AT ELEVATION: 21.4m RELATIVE TO S.R.D.:
LOG MEASURED FROM: KB AT ELEVATION 0m RELATIVE TO SCHLUMBERGER ZERO:
DRILLING MEASURED FROM: KB AT ELEVATION 0m RELATIVE TO SCHLUMBERGER ZERO

SOURCE
GUN TYPE WATER [X] AIR [X]
VOLUME ____ x ____ CU INCHES
PRESSURE ________ BARS WAVESHAPING KIT [ ]
VIBRATOR TYPE ________
SWEEP LENGTH ________ SECONDS
FROM ______ HZ TO ______ HZ

TIDAL INFORMATION DISTANCE HOUR DATE
TIDE LEVEL TO M.S.L.
(RECORD IF LEVEL VARIES MORE THAN 2 METRES DURING SURVEY)

CSU SOFTWARE VERSION 28.2 MAX. HOLE DEV: AZIM:

NOTE: SHOTS HIGHLY RECOMMENDED AT TD, TOP EACH SONIC, ABOVE AND BELOW BAD HOLE INTERVALS

UNCORRECTED RESULTS Quality: G = Good, P = Poor, U = Unsatisfactory

	DEPTH	STACK / SHOT No.	FILTERS	TRANSIT TIME	HOUR	FILE	STACKED SHOTS	QUALITY/REMARKS
	2610	19	5-60	990.1	15.46	2	125-131	
	2590	20	5-60	986.0	15.49	2	132	
	2590	21	5-60	985.0	15.53	2	132-139	
	2570	22	5-60	979.4	15.58	2	140-146	
	2550	23	5-60	973.9	16.03	2	147-153	
	2530	24	5-60	969.1	16.09	2	154-160	
	2510	25	5-60	963.6	16.15	2	161-167	
	2490	26	5-60	957.1	16.20	2	168-174	
	2464	27	5-60	950.9	16.25	2	176-182	
	2450	28	5-60	945.5	16.30	2	183-189	
	2430	29	5-60	939.5	16.35	2	190-196	
	2410	30	5-60	934.0	16.40	2	197-203	
	2390	31	5-60	928.1	16.46	2	204-209	
	2370	32	5-60	921.7	16.51	2	210-215	
	2350	33	5-60	916.4	16.55	2	216-221	
	2330	34	5-60	910.5	17.01	2	223-228	
	2310	35	5-60	902.9	17.07	2	229-234	
	2290	36	5-60	897.6	17.13	2	235-241	
	2270	37	5-60	890.7	17.18	2	242-247	
	2250	38	5-60	885.1	17.22	2	248-253	
	2230	39	5-60	879.9	17.27	2	254-260	
	2210	40	5-60	874.6	17.32	2	261-266	
	2190	41	5-60	867.1	17.36	2	267-272	
	2170	42	5-60	860.3	17.42	2	273-278	
	2150	43	5-60	854.4	17.47	2	279-285	
	2130	44	5-60	848.6	17.51	2	286-291	
	2110	45	5-60	842.4	17.57	2	292-297	
	2090	46	5-60	836.2	18.01	2	298-303	
	2070	47	5-60	831.0	18.06	2	304-309	
	2050	48	5-60	825.8	18.10	2	310-315	
	2030	49	5-60	818.7	18.15	2	316-321	
	2010	50	5-60	812.6	18.21	2	322-328	
	1990	51	5-60	806.8	18.25	2	329-334	
	1970	52	5-60	800.1	18.29	2	335-340	

457028

Schlumberger

WELL SEISMIC SERVICE FIELD REPORT

COMPANY	WELL	DATE	LOCATION	ENGINEER	WITNESSED BY
AMOCO AUST.	PELICAN #5	4-MAR-86	VEA	WINSLOE	G.HEEMINK

FEET ☐ METRES ☒ JACK UP ☐ SHIP ☐ LAND ☐ PLATFORM ☐ SEMI-SUB ☐ WEATHER:

SCHLUMBERGER ZERO: KELLY BUSHING AT ELEVATION: 21.4m RELATIVE TO S.R.D.:
LOG MEASURED FROM: KB AT ELEVATION 0m RELATIVE TO SCHLUMBERGER ZERO:
DRILLING MEASURED FROM: KB AT ELEVATION 0m RELATIVE TO SCHLUMBERGER ZERO

SOURCE
GUN TYPE WATER ☒ AIR ☒
VOLUME_____x_____CU INCHES
PRESSURE_______BARS WAVESHAPING KIT ☐
VIBRATOR TYPE ________
SWEEP LENGTH ________SECONDS
FROM _____ HZ TO _____ HZ

TIDAL INFORMATION DISTANCE HOUR DATE
TIDE LEVEL TO M.S.L.
(RECORD IF LEVEL VARIES MORE THAN 2 METRES DURING SURVEY)

CSU SOFTWARE VERSION 28.2 MAX. HOLE DEV: AZIM:

NOTE: SHOTS HIGHLY RECOMMENDED AT TD, TOP EACH SONIC, ABOVE AND BELOW BAD HOLE INTERVALS

UNCORRECTED RESULTS Quality: G = Good, P = Poor, U = Unsatisfactory

	DEPTH	STACK / SHOT No.	FILTERS	TRANSIT TIME	HOUR	FILE	STACKED SHOTS	QUALITY/REMARKS
	1950	53	5-60	794.2	18.35	2	341-346	
	1930	54	5-60	788.3	18.39	2	347-352	
	1910	55	5-60	781.4	18.47	2	353-359	
	1890	56	5-60	776.1	18.52	2	360-365	
	1870	57	5-60	769.6	18.57	2	366-373	
	1850	58	5-60	762.8	19.02	2	374-379	
	1830	59	5-60	756.9	19.08	2	380-386	
	1810	60	5-60	749.9	19.14	2	387-393	
	1790	61	5-60	743.7	19.20	2	394-400	
	1770	62	5-60	735.2	19.23	2	401-406	
	1750	63	5-60	729.7	19.28	2	407-412	
	1730	64	5-60	723.2	19.33	2	413-418	
	1710	65	5-60	714.5	19.38	2	419-424	
	1690	66	5-60	708.1	19.42	2	425-430	
	1670	67	5-60	698.1	19.47	2	431-436	
	1650	68	5-60	691.2	19.52	2	437-442	
	1630	69	5-60	683.6	19.57	2	443-448	
	1610	70	5-60	676.6	20.01	2	449-454	
	1590	71	5-60	669.9	20.07	2	455,457-463	
	1570	72	5-60	663.2	20.17	2	464-476	
	1550	73	5-60	655.4	20.21	2	477-482	
	1530	74	5-60	648.3	20.26	2	483-489	
	1500	75	5-60	638.1	20.32	1	490-495	
	2950	76	5-60	1080.6	20.52	1	496-503	
	2930	77	5-60	1075.7	20.57	1	504-510	
	2910	78	5-60	1071.0	21.03	1	511-517	
	2890	79	5-60	1065.6	21.09	1	518-525	
	2870	80	5-60	1060.2	21.13	1	526-531	
	1400	81	5-60	599.9	21.30	2	532-534	
	1300	82	5-60	558.3	21.35	2	535-538	
	1200	83	5-60	514.2	21.37	2	539-541	
	1100	84	5-60	470.3	21.41	2	542-545	
	1000	85	5-60	426.6	21.45	2	546-549	
	900	86	5-60	386.6	21.49	2	550-552	

Schlumberger

WELL SEISMIC SERVICE FIELD REPORT

COMPANY	WELL	DATE	LOCATION	ENGINEER	WITNESSED BY
AMOCO AUST.	PELICAN #5	4-MAR-86	VEA	WINSLOE	G.HEEMINK

FEET [ ] METRES [X] — JACK UP [ ] SHIP [ ] LAND [ ] PLATFORM [ ] SEMI-SUB [ ] — WEATHER:

SCHLUMBERGER ZERO: KELLY BUSHING AT ELEVATION: 21.4m RELATIVE TO S.R.D.:
LOG MEASURED FROM: KB AT ELEVATION 0m RELATIVE TO SCHLUMBERGER ZERO:
DRILLING MEASURED FROM: KB AT ELEVATION 0m RELATIVE TO SCHLUMBERGER ZERO

SOURCE

GUN TYPE WATER [X] AIR [X]
VOLUME ______ x ______ CU INCHES
PRESSURE __________ BARS WAVESHAPING KIT [ ]
VIBRATOR TYPE __________
SWEEP LENGTH __________ SECONDS
FROM ______ HZ TO ______ HZ

TIDAL INFORMATION — DISTANCE — HOUR — DATE
TIDE LEVEL TO M.S.L.
(RECORD IF LEVEL VARIES MORE THAN 2 METRES DURING SURVEY)

CSU SOFTWARE VERSION 28.2 — MAX. HOLE DEV: — AZIM:

NOTE: SHOTS HIGHLY RECOMMENDED AT TD, TOP EACH SONIC, ABOVE AND BELOW BAD HOLE INTERVALS

UNCORRECTED RESULTS — Quality: G = Good, P = Poor, U = Unsatisfactory

	DEPTH	STACK / SHOT No.	FILTERS	TRANSIT TIME	HOUR	FILE	STACKED SHOTS	QUALITY/REMARKS
	800	87	5-60	346.5	22.03	2	553-563	
	700	88	5-60	298.8	22.07	2	564-566	
	600	89	5-60	266.2	22.13	2	567,569-572	
	500	90	5-60	229.5	22.17	2	573-576	
	400	91	5-60	190.1	22.22	2	577-580	
	300	92	5-60	125.3	22.28	2	581-586	
	200	93	5-60	108.0	22.34	2	587-592	
	100	94	5-60	49.9	22.38	2	593-596	

Schlumberger

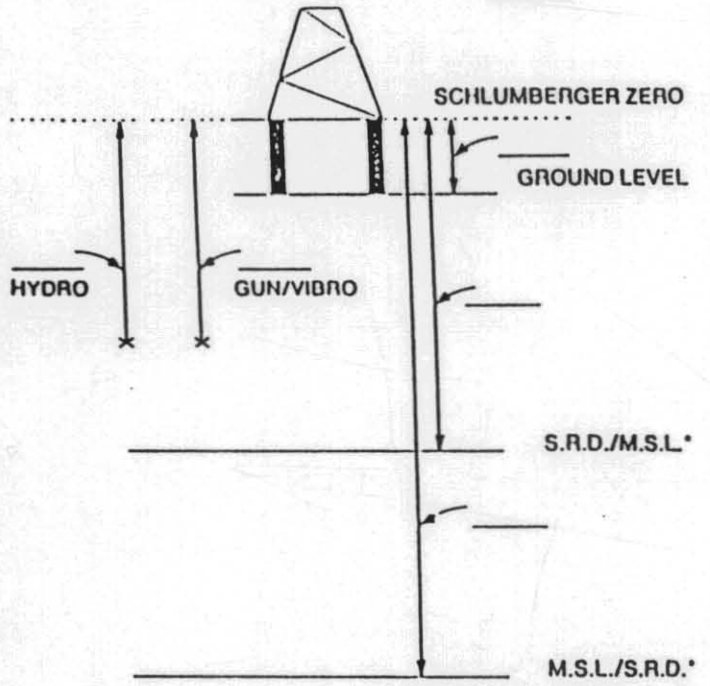
ATTACHMENT 3

457030

GUN GEOMETRY SKETCH

CLIENT: AMOCO AUSTRALIA WELL: PELICAN #5 DATE: 4-MAR-86

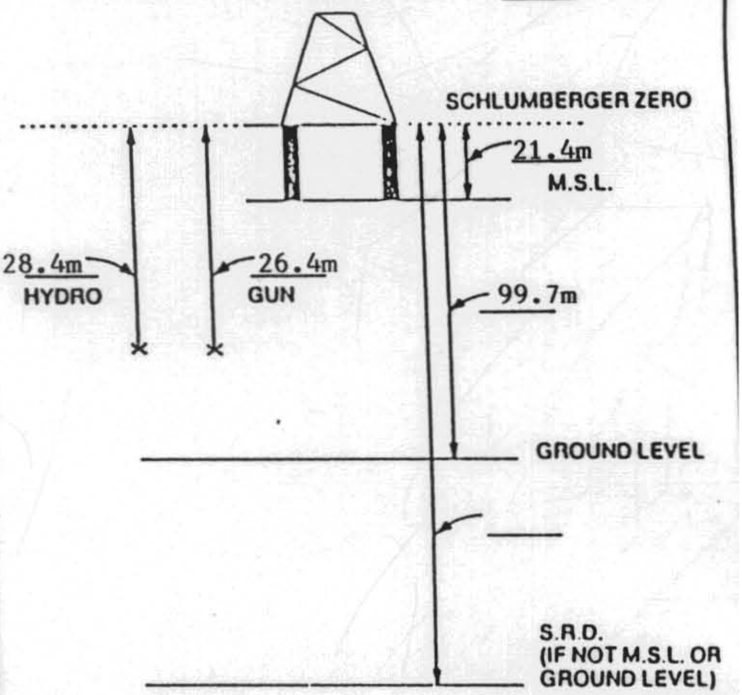
LAND ☐



INDICATE ALL DISTANCES RELATIVE TO SCHLUMBERGER ZERO

* DELETE AS APPLICABLE

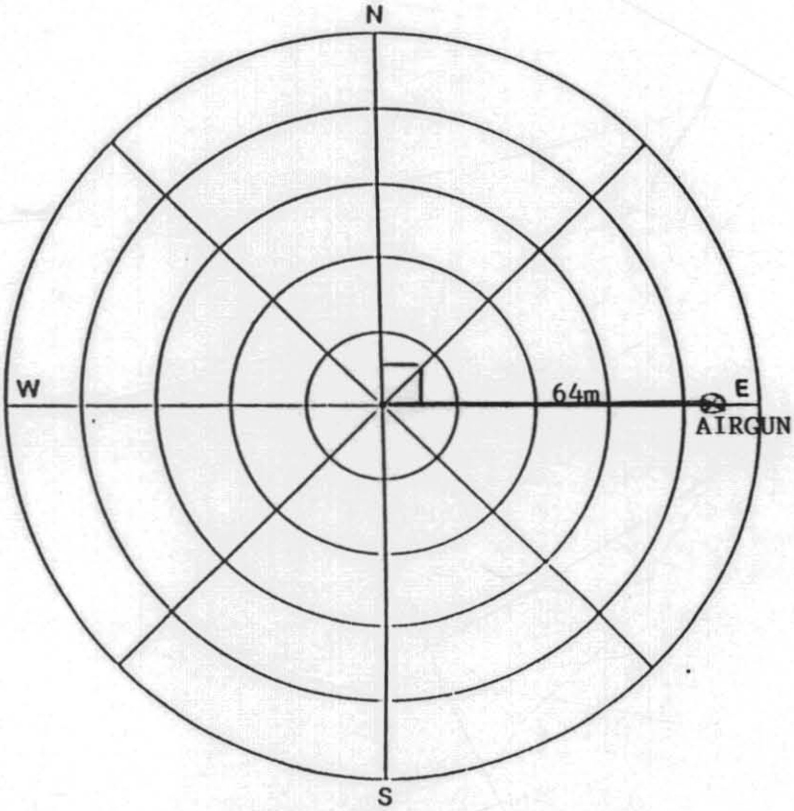
OFFSHORE ☒



INDICATE ALL DISTANCES RELATIVE TO SCHLUMBERGER ZERO

SHOT POS'N	GUN OFFSET	HYDRO OFFSET	GUN DEPTH	HYDRO DEPTH
1	64m	64m	BELOW 5m	MSL 7m
2				
3				
4				
5				
6				
7				

5 cm



INDICATE GUN/VIBRO AND HYDROPHONE OFFSET AND AZIMUTH RELATIVE TO NORTH

ATTACHMENT 4

457031

ANALYST: R.BUNT

10-MAR-86 22:16:44 PROGRAM: GSHOT 007.E07

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*********************
*                   *
*                   *
*                   *
*********************
*                   *
*   SCHLUMBERGER    *
*                   *
*********************
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GEOPHYSICAL AIRGUN REPORT

COMPANY : AMOCO AUSTRALIA PETROLEUM CO

WELL : PELICAN #5

STATE : TASMANIA

RIG : D.M.EPOCH

COUNTRY : AUSTRALIA

REFERENCE: FS2A.540,493

457032

LONG DEFINITIONS

GLOBAL

KB - ELEVATION OF THE KELLY-BUSHING ABOVE MSL OR MWL
SRD - ELEVATION OF THE SEISMIC REFERENCE DATUM ABOVE MSL OR MWL
EKB - Elevation of Kelly Bushing
GL - ELEVATION OF USER'S REFERENCE (GENERALLY GROUND LEVEL) ABOVE SRD
VELHYD - VELOCITY OF THE MEDIUM BETWEEN THE SOURCE AND THE HYDROPHONE
VELSUR - VELOCITY OF THE MEDIUM BETWEEN THE SOURCE AND THE SRD

MATRIX

GUNELZ - SOURCE ELEVATION ABOVE SRD (ONE FOR THE WHOLE JOB; OR ONE PER SHOT)
GUNEWZ - SOURCE DISTANCE FROM THE BOREHOLE AXIS IN EW DIRECTION (CF. GUNELZ)
GUNNSZ - SOURCE DISTANCE FROM THE BOREHOLE AXIS IN NS DIRECTION (CF. GUNELZ)
HYDELZ - HYDROPHONE ELEVATION ABOVE SRD (CF. GUNELZ)
HYDEWZ - HYDROPHONE DISTANCE FROM THE BOREH AXIS IN EW DIRECTION (CF GUNELZ)
HYDNSZ - HYDROPHONE DISTANCE FROM THE BOREH AXIS IN NS DIRECTION (CF GUNELZ)
TRTHYD - TRAVEL TIME FROM THE HYDROPHONE TO THE SOURCE
TRTSRD - TRAVEL TIME FROM THE SOURCE TO THE SRD
DEVWEL - DEVIATED WELL DATA PER SHOT : MEAS. DEPTH, VERT. DEPTH, EW, NS

SAMPLED

SHOT.GSH - Shot number
DKB.GSH - MEASURED DEPTH FROM KELLY-BUSHING
DSRD.GSH - Depth from SRD
DGL.GSH - VERTICAL DEPTH RELATIVE TO GROUND LEVEL (USER'S REFERENCE)
TI..GSH - MEASURED TRAVEL TIME FROM HYDROPHONE TO GEOPHONE
TIMV.GSH - VERTICAL TRAVEL TIME FROM THE SOURCE TO THE GEOPHONE
SHTM.GSH - Shot time (WST)
AVGV.GSH - Average seismic velocity
DELZ.GSH - DEPTH INTERVAL BETWEEN SUCCESSIVE SHOTS
DELT.GSH - TRAVEL TIME INTERVAL BETWEEN SUCCESSIVE SHOTS
INTV.GSH - Internal velocity, average

(GLOBAL PARAMETERS)			(VALUE)	
ELEV OF KB AB. MSL (WST)	KB	:	21.4000	M
ELEV OF SRD AB. MSL(WST)	SRD	:	0	M
Elevation of Kelly Bushi	EKB	:	21.4000	M
ELEV OF GL AB. SRD(WST)	GL	:	-78.3000	M
VEL SOURCE-HYDRO(WST)	VELHYD	:	1500.00	M/S
VEL SOURCE-SRD (WST)	VELSUR	:	1500.00	M/S

(MATRIX PARAMETERS)

457033

	SOURCE ELV M	SOURCE EW M	SOURCE NS M	HYDRO ELEV M	HYDRO EW M	HYDRO NS M
1	-5.00	64.00	0	-7.00	64.00	0

	TRT HYD-SC MS	TRT SC-SRD MS
1	1.33	3.33

	MD @ KB M	VD @ KB M	VD @ SRD M	E-W COORD M	N-S COORD M
1	100.00	100.00	78.60	0	0
2	200.00	200.00	178.60	0	0
3	400.00	400.00	378.60	0	0
4	500.00	500.00	478.60	0	0
5	600.00	600.00	578.60	0	0
6	900.00	900.00	878.60	0	0
7	1000.00	1000.00	978.60	0	0
8	1100.00	1100.00	1078.60	0	0
9	1200.00	1200.00	1178.60	0	0
10	1300.00	1300.00	1278.60	0	0
11	1400.00	1400.00	1378.60	0	0
12	1500.00	1500.00	1478.60	0	0
13	1530.00	1530.00	1508.60	0	0
14	1550.00	1550.00	1528.60	0	0
15	1570.00	1570.00	1548.60	0	0
16	1590.00	1590.00	1568.60	0	0
17	1610.00	1610.00	1588.60	0	0
18	1630.00	1630.00	1608.60	0	0
19	1650.00	1650.00	1628.60	0	0
20	1670.00	1670.00	1648.60	0	0
21	1690.00	1690.00	1668.60	0	0
22	1710.00	1710.00	1688.60	0	0
23	1730.00	1730.00	1708.60	0	0
24	1750.00	1750.00	1728.60	0	0
25	1770.00	1770.00	1748.60	0	0
26	1790.00	1790.00	1768.60	0	0
27	1810.00	1810.00	1788.60	0	0
28	1830.00	1830.00	1808.60	0	0
29	1850.00	1850.00	1828.60	0	0
30	1870.00	1870.00	1848.60	0	0
31	1890.00	1890.00	1868.60	0	0
32	1910.00	1910.00	1888.60	0	0
33	1930.00	1930.00	1908.60	0	0

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34	1950.00	1950.00	1928.60	0	0
35	1970.00	1970.00	1948.60	0	0
36	1990.00	1990.00	1968.60	0	0
37	2010.00	2010.00	1988.60	0	0
38	2030.00	2030.00	2008.60	0	0
39	2050.00	2050.00	2028.60	0	0
40	2070.00	2070.00	2048.60	0	0
41	2090.00	2090.00	2068.60	0	0
42	2110.00	2110.00	2088.60	0	0
43	2130.00	2130.00	2108.60	0	0
44	2150.00	2150.00	2128.60	0	0
45	2170.00	2170.00	2148.60	0	0
46	2190.00	2190.00	2168.60	0	0
47	2210.00	2210.00	2188.60	0	0
48	2230.00	2230.00	2208.60	0	0
49	2250.00	2250.00	2228.60	0	0
50	2270.00	2270.00	2248.60	0	0
51	2290.00	2290.00	2268.60	0	0
52	2310.00	2310.00	2288.60	0	0
53	2330.00	2330.00	2308.60	0	0
54	2350.00	2350.00	2328.60	0	0
55	2370.00	2370.00	2348.60	0	0
56	2390.00	2390.00	2368.60	0	0
57	2410.00	2410.00	2388.60	0	0
58	2430.00	2430.00	2408.60	0	0
59	2450.00	2450.00	2428.60	0	0
60	2464.00	2464.00	2442.60	0	0
61	2490.00	2490.00	2468.60	0	0
62	2510.00	2510.00	2488.60	0	0
63	2530.00	2530.00	2508.60	0	0
64	2550.00	2550.00	2528.60	0	0
65	2570.00	2570.00	2548.60	0	0
66	2590.00	2590.00	2568.60	0	0
67	2610.00	2610.00	2588.60	0	0
68	2630.00	2630.00	2608.60	0	0
69	2650.00	2650.00	2628.60	0	0
70	2670.00	2670.00	2648.60	0	0
71	2690.00	2690.00	2668.60	0	0
72	2710.00	2710.00	2688.60	0	0
73	2730.00	2730.00	2708.60	0	0
74	2750.00	2750.00	2728.60	0	0
75	2770.00	2770.00	2748.60	0	0
76	2784.00	2784.00	2762.60	0	0
77	2790.00	2790.00	2768.60	0	0
78	2810.00	2810.00	2788.60	0	0
79	2850.00	2850.00	2828.60	0	0
80	2870.00	2870.00	2848.60	0	0
81	2890.00	2890.00	2868.60	0	0
82	2910.00	2910.00	2888.60	0	0
83	2930.00	2930.00	2908.60	0	0
84	2950.00	2950.00	2928.60	0	0
85	2970.00	2970.00	2948.60	0	0
86	2990.00	2990.00	2968.60	0	0

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87	3010.00	3010.00	2988.60	0	0
88	3030.00	3030.00	3008.60	0	0
89	3050.00	3050.00	3028.60	0	0
90	3070.00	3070.00	3048.60	0	0
91	3090.00	3090.00	3068.60	0	0
92	3110.00	3110.00	3088.60	0	0
93	3130.00	3130.00	3108.60	0	0
94	3150.00	3150.00	3128.60	0	0
95	3170.00	3170.00	3148.60	0	0
96	3190.00	3190.00	3168.60	0	0
97	3230.00	3230.00	3208.60	0	0
98	3250.00	3250.00	3228.60	0	0
99	3270.00	3270.00	3248.60	0	0
100	3290.00	3290.00	3268.60	0	0
101	3310.00	3310.00	3288.60	0	0
102	3330.00	3330.00	3308.60	0	0
103	3350.00	3350.00	3328.60	0	0
104	3370.00	3370.00	3348.60	0	0
105	3390.00	3390.00	3368.60	0	0
106	3410.00	3410.00	3388.60	0	0
107	3430.00	3430.00	3408.60	0	0
108	3450.00	3450.00	3428.60	0	0
109	3470.00	3470.00	3448.60	0	0
110	3490.00	3490.00	3468.60	0	0
111	3510.00	3510.00	3488.60	0	0
112	3530.00	3530.00	3508.60	0	0
113	3550.00	3550.00	3528.60	0	0
114	3570.00	3570.00	3548.60	0	0
115	3590.00	3590.00	3568.60	0	0
116	3610.00	3610.00	3588.60	0	0
117	3630.00	3630.00	3608.60	0	0
118	3700.00	3700.00	3678.60	0	0
119	3750.00	3750.00	3728.60	0	0
120	3800.00	3800.00	3778.60	0	0
121	3850.00	3850.00	3828.60	0	0
122	3900.00	3900.00	3878.60	0	0
123	3930.00	3930.00	3908.60	0	0
124	4000.00	4000.00	3978.60	0	0
125	4150.00	4150.00	4128.60	0	0
126	4170.00	4170.00	4148.60	0	0
127	4200.00	4200.00	4178.60	0	0
128	4220.00	4220.00	4198.60	0	0
129	4240.00	4240.00	4218.60	0	0

457036

MPANY : AMOCO AUSTRALIA PETROLEUM CO WELL : PELICAN #5 PAGE 5

LEVEL NUMBER	MEASUR DEPTH FROM KB M	VERTIC DEPTH FROM SRD M	VERTIC DEPTH FROM GL M	OBSERV TRAVEL TIME HYD/GEO MS	VERTIC TRAVEL TIME SRC/GEO MS	VERTIC TRAVEL TIME SRD/GEO MS	AVERAGE VELOC SRD/GEO M/S	DELTA DEPTH BETWEEN SHOTS M	DELTA TIME BETWEEN SHOTS MS	INTERV VELOC BETWEEN SHOTS M/S
1	100.00	78.60	.30	53.00	41.00	44.33	1773			
								100.00	62.52	1599
2	200.00	178.60	100.30	109.00	103.52	106.86	1671			
								200.00	88.02	2272
3	400.00	378.60	300.30	193.00	191.54	194.88	1943			
								100.00	38.70	2584
4	500.00	478.60	400.30	231.00	230.24	233.57	2049			
								100.00	37.43	2672
5	600.00	578.60	500.30	268.00	267.67	271.01	2135			
								300.00	121.62	2467
6	900.00	878.60	800.30	389.00	389.29	392.62	2238			
								100.00	40.12	2493
7	1000.00	978.60	900.30	429.00	429.41	432.74	2261			
								100.00	43.09	2321
8	1100.00	1078.60	1000.30	472.00	472.49	475.83	2267			
								100.00	43.07	2322
9	1200.00	1178.60	1100.30	515.00	515.57	518.90	2271			
								100.00	44.06	2270
10	1300.00	1278.60	1200.30	559.00	559.63	562.96	2271			
								100.00	41.05	2436
11	1400.00	1378.60	1300.30	600.00	600.68	604.02	2282			
								100.00	38.05	2628
12	1500.00	1478.60	1400.30	638.00	638.73	642.06	2303			
								30.00	11.01	2724
13	1530.00	1508.60	1430.30	649.00	649.75	653.08	2310			
								20.00	7.01	2853
14	1550.00	1528.60	1450.30	656.00	656.75	660.09	2316			
								20.00	8.01	2498
15	1570.00	1548.60	1470.30	664.00	664.76	668.10	2318			
								20.00	7.01	2854
16	1590.00	1568.60	1490.30	671.00	671.77	675.10	2323			
								20.00	6.01	3328
17	1610.00	1588.60	1510.30	677.00	677.78	681.11	2332			
								20.00	7.01	2854
18	1630.00	1608.60	1530.30	684.00	684.79	688.12	2338			
								20.00	7.01	2854
19	1650.00	1628.60	1550.30	691.00	691.80	695.13	2343			
								20.00	9.01	2221
20	1670.00	1648.60	1570.30	700.00	700.80	704.14	2341			
								20.00	9.01	2221
21	1690.00	1668.60	1590.30	709.00	709.81	713.14	2340			
								20.00	6.01	3329
22	1710.00	1688.60	1610.30	715.00	715.82	719.15	2348			
								20.00	9.01	2221
23	1730.00	1708.60	1630.30	724.00	724.82	728.16	2346			
								20.00	6.01	3329
24	1750.00	1728.60	1650.30	730.00	730.83	734.16	2355			

COMPANY : AMOCO AUSTRALIA PETROLEUM CO WELL : PELICAN #5

LEVEL NUMBER	MEASUR DEPTH FROM KB M	VERTIC DEPTH FROM SRD M	VERTIC DEPTH FROM GL M	OBSERV TRAVEL TIME HYD/GEO MS	VERTIC TRAVEL TIME SRC/GEO MS	VERTIC TRAVEL TIME SRD/GEO MS	AVERAGE VELOC SRD/GEO M/S	DELTA DEPTH BETWEEN SHOTS M	DELTA TIME BETWEEN SHOTS MS	INTERV VELOC BETWEEN SHOTS M/S
								20.00	7.01	2854
25	1770.00	1748.60	1670.30	737.00	737.84	741.17	2359			
								20.00	7.01	2854
26	1790.00	1768.60	1690.30	744.00	744.84	748.18	2364			
								20.00	7.01	2855
27	1810.00	1788.60	1710.30	751.00	751.85	755.18	2368			
								20.00	6.01	3330
28	1830.00	1808.60	1730.30	757.00	757.86	761.19	2376			
								20.00	6.01	3330
29	1850.00	1828.60	1750.30	763.00	763.86	767.20	2383			
								20.00	7.01	2855
30	1870.00	1848.60	1770.30	770.00	770.87	774.20	2388			
								20.00	6.01	3330
31	1890.00	1868.60	1790.30	776.00	776.88	780.21	2395			
								20.00	7.01	2855
32	1910.00	1888.60	1810.30	783.00	783.88	787.21	2399			
								20.00	6.01	3330
33	1930.00	1908.60	1830.30	789.00	789.89	793.22	2406			
								20.00	6.01	3330
34	1950.00	1928.60	1850.30	795.00	795.89	799.23	2413			
								20.00	6.01	3330
35	1970.00	1948.60	1870.30	801.00	801.90	805.23	2420			
								20.00	6.01	3330
36	1990.00	1968.60	1890.30	807.00	807.90	811.24	2427			
								20.00	6.01	3330
37	2010.00	1988.60	1910.30	813.00	813.91	817.24	2433			
								20.00	6.01	3330
38	2030.00	2008.60	1930.30	819.00	819.92	823.25	2440			
								20.00	7.00	2855
39	2050.00	2028.60	1950.30	826.00	826.92	830.25	2443			
								20.00	5.01	3996
40	2070.00	2048.60	1970.30	831.00	831.93	835.26	2453			
								20.00	6.01	3331
41	2090.00	2068.60	1990.30	837.00	837.93	841.26	2459			
								20.00	6.00	3331
42	2110.00	2088.60	2010.30	843.00	843.94	847.27	2465			
								20.00	6.00	3331
43	2130.00	2108.60	2030.30	849.00	849.94	853.27	2471			
								20.00	7.00	2855
44	2150.00	2128.60	2050.30	856.00	856.94	860.28	2474			
								20.00	4.01	4993
45	2170.00	2148.60	2070.30	860.00	860.95	864.28	2486			
								20.00	7.00	2856
46	2190.00	2168.60	2090.30	867.00	867.95	871.29	2489			
								20.00	7.00	2856
47	2210.00	2188.60	2110.30	874.00	874.96	878.29	2492			
								20.00	6.00	3331
48	2230.00	2208.60	2130.30	880.00	880.96	884.30	2498			

COMPANY : AMOCO AUSTRALIA PETROLEUM CO WELL : PELICAN #5

LEVEL NUMBER	MEASUR DEPTH FROM KB M	VERTIC DEPTH FROM SRD M	VERTIC DEPTH FROM GL M	OBSERV TRAVEL TIME HYD/GEO MS	VERTIC TRAVEL TIME SRC/GEO MS	VERTIC TRAVEL TIME SRD/GEO MS	AVERAGE VELOC SRD/GEO M/S	DELTA DEPTH BETWEEN SHOTS M	DELTA TIME BETWEEN SHOTS MS	INTERV VELOC BETWEEN SHOTS M/S
								20.00	6.00	3331
49	2250.00	2228.60	2150.30	886.00	886.97	890.30	2503			
								20.00	6.00	3331
50	2270.00	2248.60	2170.30	892.00	892.97	896.30	2509			
								20.00	6.00	3331
51	2290.00	2268.60	2190.30	898.00	898.97	902.31	2514			
								20.00	6.00	3331
52	2310.00	2288.60	2210.30	904.00	904.98	908.31	2520			
								20.00	7.00	2856
53	2330.00	2308.60	2230.30	911.00	911.98	915.31	2522			
								20.00	6.00	3331
54	2350.00	2328.60	2250.30	917.00	917.99	921.32	2527			
								20.00	4.00	4994
55	2370.00	2348.60	2270.30	921.00	921.99	925.32	2538			
								20.00	8.00	2499
56	2390.00	2368.60	2290.30	929.00	929.99	933.33	2538			
								20.00	5.00	3997
57	2410.00	2388.60	2310.30	934.00	935.00	938.33	2546			
								20.00	7.00	2856
58	2430.00	2408.60	2330.30	941.00	942.00	945.33	2548			
								20.00	4.00	4995
59	2450.00	2428.60	2350.30	945.00	946.00	949.34	2558			
								14.00	6.00	2333
60	2464.00	2442.60	2364.30	951.00	952.01	955.34	2557			
								26.00	6.00	4330
61	2490.00	2468.60	2390.30	957.00	958.01	961.34	2568			
								20.00	7.00	2856
62	2510.00	2488.60	2410.30	964.00	965.01	968.35	2570			
								20.00	4.00	4995
63	2530.00	2508.60	2430.30	968.00	969.02	972.35	2580			
								20.00	5.00	3997
64	2550.00	2528.60	2450.30	973.00	974.02	977.35	2587			
								20.00	6.00	3332
65	2570.00	2548.60	2470.30	979.00	980.02	983.36	2592			
								20.00	6.00	3332
66	2590.00	2568.60	2490.30	985.00	986.03	989.36	2596			
								20.00	5.00	3998
67	2610.00	2588.60	2510.30	990.00	991.03	994.36	2603			
								20.00	5.00	3997
68	2630.00	2608.60	2530.30	995.00	996.03	999.37	2610			
								20.00	6.00	3332
69	2650.00	2628.60	2550.30	1001.00	1002.04	1005.37	2615			
								20.00	4.00	4996
70	2670.00	2648.60	2570.30	1005.00	1006.04	1009.37	2624			
								20.00	7.00	2856
71	2690.00	2668.60	2590.30	1012.00	1013.04	1016.37	2626			
								20.00	5.00	3998
72	2710.00	2688.60	2610.30	1017.00	1018.04	1021.38	2632			

457039

LEVEL NUMBER	MEASUR DEPTH FROM KB M	VERTIC DEPTH FROM SRD M	VERTIC DEPTH FROM GL M	OBSERV TRAVEL TIME HYD/GEO MS	VERTIC TRAVEL TIME SRC/GEO MS	VERTIC TRAVEL TIME SRD/GEO MS	AVERAGE VELOC SRD/GEO M/S	DELTA DEPTH BETWEEN SHOTS M	DELTA TIME BETWEEN SHOTS MS	INTERV VELOC BETWEEN SHOTS M/S
								20.00	6.00	3332
73	2730.00	2708.60	2630.30	1023.00	1024.05	1027.38	2636			
								20.00	5.00	3998
74	2750.00	2728.60	2650.30	1028.00	1029.05	1032.38	2643			
								20.00	7.00	2856
75	2770.00	2748.60	2670.30	1035.00	1036.05	1039.38	2644			
								14.00	4.00	3498
76	2784.00	2762.60	2684.30	1039.00	1040.05	1043.39	2648			
								6.00	2.00	2999
77	2790.00	2768.60	2690.30	1041.00	1042.05	1045.39	2648			
								20.00	6.00	3332
78	2810.00	2788.60	2710.30	1047.00	1048.06	1051.39	2652			
								40.00	6.01	6660
79	2850.00	2828.60	2750.30	1053.00	1054.06	1057.40	2675			
								20.00	5.00	3998
80	2870.00	2848.60	2770.30	1058.00	1059.07	1062.40	2681			
								20.00	4.00	4996
81	2890.00	2868.60	2790.30	1062.00	1063.07	1066.40	2690			
								20.00	6.00	3332
82	2910.00	2888.60	2810.30	1068.00	1069.07	1072.40	2694			
								20.00	7.00	2856
83	2930.00	2908.60	2830.30	1075.00	1076.07	1079.41	2695			
								20.00	7.00	2856
84	2950.00	2928.60	2850.30	1082.00	1083.07	1086.41	2696			
								20.00	4.00	4997
85	2970.00	2948.60	2870.30	1086.00	1087.08	1090.41	2704			
								20.00	5.00	3998
86	2990.00	2968.60	2890.30	1091.00	1092.08	1095.41	2710			
								20.00	5.00	3998
87	3010.00	2988.60	2910.30	1096.00	1097.08	1100.41	2716			
								20.00	5.00	3998
88	3030.00	3008.60	2930.30	1101.00	1102.08	1105.42	2722			
								20.00	6.00	3332
89	3050.00	3028.60	2950.30	1107.00	1108.09	1111.42	2725			
								20.00	5.00	3998
90	3070.00	3048.60	2970.30	1112.00	1113.09	1116.42	2731			
								20.00	6.00	3332
91	3090.00	3068.60	2990.30	1118.00	1119.09	1122.42	2734			
								20.00	4.00	4997
92	3110.00	3088.60	3010.30	1122.00	1123.09	1126.42	2742			
								20.00	5.00	3998
93	3130.00	3108.60	3030.30	1127.00	1128.09	1131.43	2748			
								20.00	6.00	3332
94	3150.00	3128.60	3050.30	1133.00	1134.10	1137.43	2751			
								20.00	7.00	2857
95	3170.00	3148.60	3070.30	1140.00	1141.10	1144.43	2751			
								20.00	5.00	3999
96	3190.00	3168.60	3090.30	1145.00	1146.10	1149.43	2757			

457040

LEVEL NUMBER	MEASUR DEPTH FROM KB M	VERTIC DEPTH FROM SRD M	VERTIC DEPTH FROM GL M	OBSERV TRAVEL TIME HYD/GEO MS	VERTIC TRAVEL TIME SRC/GEO MS	VERTIC TRAVEL TIME SRD/GEO MS	AVERAGE VELOC SRD/GEO M/S	DELTA DEPTH BETWEEN SHOTS M	DELTA TIME BETWEEN SHOTS MS	INTERV VELOC BETWEEN SHOTS M/S
								40.00	10.00	3998
97	3230.00	3208.60	3130.30	1155.00	1156.10	1159.44	2767			
								20.00	6.00	3332
98	3250.00	3228.60	3150.30	1161.00	1162.10	1165.44	2770			
								20.00	4.00	4998
99	3270.00	3248.60	3170.30	1165.00	1166.11	1169.44	2778			
								20.00	7.00	2856
100	3290.00	3268.60	3190.30	1172.00	1173.11	1176.44	2778			
								20.00	5.00	3999
101	3310.00	3288.60	3210.30	1177.00	1178.11	1181.44	2784			
								20.00	5.00	3999
102	3330.00	3308.60	3230.30	1182.00	1183.11	1186.44	2789			
								20.00	4.00	4998
103	3350.00	3328.60	3250.30	1186.00	1187.11	1190.45	2796			
								20.00	7.00	2857
104	3370.00	3348.60	3270.30	1193.00	1194.11	1197.45	2796			
								20.00	5.00	3999
105	3390.00	3368.60	3290.30	1198.00	1199.12	1202.45	2801			
								20.00	5.00	3999
106	3410.00	3388.60	3310.30	1203.00	1204.12	1207.45	2806			
								20.00	6.00	3332
107	3430.00	3408.60	3330.30	1209.00	1210.12	1213.45	2809			
								20.00	5.00	3999
108	3450.00	3428.60	3350.30	1214.00	1215.12	1218.45	2814			
								20.00	5.00	3999
109	3470.00	3448.60	3370.30	1219.00	1220.12	1223.46	2819			
								20.00	7.00	2857
110	3490.00	3468.60	3390.30	1226.00	1227.12	1230.46	2819			
								20.00	4.00	4998
111	3510.00	3488.60	3410.30	1230.00	1231.13	1234.46	2826			
								20.00	4.00	4998
112	3530.00	3508.60	3430.30	1234.00	1235.13	1238.46	2833			
								20.00	7.00	2857
113	3550.00	3528.60	3450.30	1241.00	1242.13	1245.46	2833			
								20.00	6.00	3333
114	3570.00	3548.60	3470.30	1247.00	1248.13	1251.46	2836			
								20.00	4.00	4998
115	3590.00	3568.60	3490.30	1251.00	1252.13	1255.46	2842			
								20.00	5.00	3999
116	3610.00	3588.60	3510.30	1256.00	1257.13	1260.47	2847			
								20.00	5.00	3999
117	3630.00	3608.60	3530.30	1261.00	1262.13	1265.47	2852			
								70.00	20.00	3499
118	3700.00	3678.60	3600.30	1281.00	1282.14	1285.47	2862			
								50.00	11.00	4544
119	3750.00	3728.60	3650.30	1292.00	1293.14	1296.48	2876			
								50.00	13.00	3845
120	3800.00	3778.60	3700.30	1305.00	1306.15	1309.48	2886			

COMPANY : AMOCO AUSTRALIA PETROLEUM CO WELL : PELICAN #5

LEVEL NUMBER	MEASUR DEPTH FROM KB M	VERTIC DEPTH FROM SRD M	VERTIC DEPTH FROM GL M	OBSERV TRAVEL TIME HYD/GEO MS	VERTIC TRAVEL TIME SRC/GEO MS	VERTIC TRAVEL TIME SRD/GEO MS	AVERAGE VELOC SRD/GEO M/S	DELTA DEPTH BETWEEN SHOTS M	DELTA TIME BETWEEN SHOTS MS	INTERV VELOC BETWEEN SHOTS M/S
								50.00	18.00	2777
121	3850.00	3828.60	3750.30	1323.00	1324.15	1327.48	2884			
								50.00	14.00	3571
122	3900.00	3878.60	3800.30	1337.00	1338.15	1341.48	2891			
								30.00	7.00	4285
123	3930.00	3908.60	3830.30	1344.00	1345.15	1348.49	2899			
								70.00	17.00	4117
124	4000.00	3978.60	3900.30	1361.00	1362.16	1365.49	2914			
								150.00	34.01	4411
125	4150.00	4128.60	4050.30	1395.00	1396.17	1399.50	2950			
								20.00	4.00	4998
126	4170.00	4148.60	4070.30	1399.00	1400.17	1403.50	2956			
								30.00	8.00	3749
127	4200.00	4178.60	4100.30	1407.00	1408.17	1411.50	2960			
								20.00	5.00	3999
128	4220.00	4198.60	4120.30	1412.00	1413.17	1416.50	2964			
								20.00	7.00	2857
129	4240.00	4218.60	4140.30	1419.00	1420.17	1423.50	2964			

ATTACHMENT 5

457042

ANALYST: R.BUNT   10-MAR-86 22:24:01   PROGRAM: GDRIFT 007.E09

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*                   *
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*   SCHLUMBERGER    *
*                   *
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DRIFT COMPUTATION REPORT

COMPANY : AMOCO AUSTRALIA PETROLEUM CO

WELL : PELICAN #5

STATE : TASMANIA

RIG : D.M.EPOCH

COUNTRY : AUSTRALIA

REFERENCE: FS2A.540,493

LONG DEFINITIONS

GLOBAL

KB - ELEVATION OF THE KELLY-BUSHING ABOVE MSL OR MWL
SRD - ELEVATION OF THE SEISMIC REFERENCE DATUM ABOVE MSL OR MWL
EKB - Elevation of Kelly Bushing
GL - ELEVATION OF USER'S REFERENCE (GENERALLY GROUND LEVEL) ABOVE SRD
XSTART - TOP OF ZONE PROCESSED BY WST
XSTOP - BOTTOM OF ZONE PROCESSED BY WST
GADØØ1 - RAW SONIC CHANNEL NAME USED FOR WST SONIC ADJUSTMENT
UNFDEN - UNIFORM DENSITY VALUE

ZONE

LOFDEN - LAYER OPTION FLAG FOR DENSITY : -1=NONE; Ø=UNIFORM; 1=UNIFORM+LAYER
LAYDEN - USER SUPPLIED DENSITY DATA

SAMPLED

SHOT - Shot number
DKB - MEASURED DEPTH FROM KELLY-BUSHING
DSRD - Depth from SRD
DGL - VERTICAL DEPTH RELATIVE TO GROUND LEVEL (USER'S REFERENCE)
SHTM - Shot time (WST)
RAWS - Raw Sonic (WST)
SHDR - DRIFT AT SHOT OR KNEE
BLSH - BLOCK SHIFT BETWEEN SHOTS OR KNEE

(GLOBAL PARAMETERS)		(VALUE)	
ELEV OF KB AB. MSL (WST)	KB	: 21.4000	M
ELEV OF SRD AB. MSL(WST)	SRD	: Ø	M
Elevation of Kelly Bushi	EKB	: 21.4000	M
ELEV OF GL AB. SRD(WST)	GL	: -78.3000	M
TOP OF ZONE PROCD (WST)	XSTART	: Ø	M
BOT OF ZONE PROCD (WST)	XSTOP	: Ø	M
RAW SONIC CH NAME (WST)	GADØØ1	: DT.WST.ØØ2.FLP.*	
UNIFORM DENSITY VALUE	UNFDEN	: 2.30000	G/C3

(ZONED PARAMETERS)		(VALUE)		(LIMITS)		
LAYER OPTION FLAG DENS	LOFDEN	: 1.000000		30479.7	-	Ø
USER SUPPLIED DENSITY DA	LAYDEN	:-999.2500	G/C3	30479.7	-	Ø

457044

COMPANY : AMOCO AUSTRALIA PETROLEUM CO WELL : PELICAN #5

LEVEL NUMBER	MEASURED DEPTH FROM KB M	VERTICAL DEPTH FROM SRD M	VERTICAL DEPTH FROM GL M	VERTICAL TRAVEL TIME SRD/GEO MS	INTEGRATED RAW SONIC TIME MS	COMPUTED DRIFT AT LEVEL MS	COMPUTED BLK-SHFT CORRECTION US/F
1	100.00	78.60	.30	44.33	44.33	0	0
2	200.00	178.60	100.30	106.86	106.86	0	0
3	400.00	378.60	300.30	194.88	194.88	0	0
4	500.00	478.60	400.30	233.57	233.15	.42	1.28
5	600.00	578.60	500.30	271.01	270.45	.56	.41
6	900.00	878.60	800.30	392.62	389.24	3.38	2.87
7	1000.00	978.60	900.30	432.74	432.97	-.23	-11.00
8	1100.00	1078.60	1000.30	475.83	477.97	-2.14	-5.82
9	1200.00	1178.60	1100.30	518.90	524.80	-5.90	-11.46
10	1300.00	1278.60	1200.30	562.96	572.36	-9.39	-10.66
11	1400.00	1378.60	1300.30	604.02	613.51	-9.50	-.32
12	1500.00	1478.60	1400.30	642.06	651.48	-9.42	.25
13	1530.00	1508.60	1430.30	653.08	661.88	-8.80	6.29
14	1550.00	1528.60	1450.30	660.09	668.75	-8.66	2.11
15	1570.00	1548.60	1470.30	668.10	675.64	-7.55	16.94
16	1590.00	1568.60	1490.30	675.10	682.79	-7.68	-2.03
17	1610.00	1588.60	1510.30	681.11	689.48	-8.37	-10.47
18	1630.00	1608.60	1530.30	688.12	695.97	-7.85	7.87
19	1650.00	1628.60	1550.30	695.13	703.60	-8.47	-9.42
20	1670.00	1648.60	1570.30	704.14	711.58	-7.45	15.60
21	1690.00	1668.60	1590.30	713.14	719.40	-6.26	18.03
22	1710.00	1688.60	1610.30	719.15	727.22	-8.07	-27.57
23	1730.00	1708.60	1630.30	728.16	735.11	-6.96	16.99
24	1750.00	1728.60	1650.30	734.16	742.70	-8.53	-24.04

457045

PANY : AMOCO AUSTRALIA PETROLEUM CO WELL : PELICAN #5 PAGE 3

LEVEL NUMBER	MEASURED DEPTH FROM KB M	VERTICAL DEPTH FROM SRD M	VERTICAL DEPTH FROM GL M	VERTICAL TRAVEL TIME SRD/GEO MS	INTEGRATED RAW SONIC TIME MS	COMPUTED DRIFT AT LEVEL MS	COMPUTED BLK-SHFT CORRECTION US/F
25	1770.00	1748.60	1670.30	741.17	748.89	-7.72	12.44
26	1790.00	1768.60	1690.30	748.18	755.57	-7.40	4.92
27	1810.00	1788.60	1710.30	755.18	761.99	-6.80	9.00
28	1830.00	1808.60	1730.30	761.19	768.30	-7.11	-4.60
29	1850.00	1828.60	1750.30	767.20	774.65	-7.46	-5.34
30	1870.00	1848.60	1770.30	774.20	780.85	-6.65	12.32
31	1890.00	1868.60	1790.30	780.21	787.14	-6.93	-4.32
32	1910.00	1888.60	1810.30	787.21	793.38	-6.17	11.61
33	1930.00	1908.60	1830.30	793.22	799.14	-5.92	3.75
34	1950.00	1928.60	1850.30	799.23	805.10	-5.88	.74
35	1970.00	1948.60	1870.30	805.23	811.05	-5.82	.88
36	1990.00	1968.60	1890.30	811.24	817.05	-5.82	.03
37	2010.00	1988.60	1910.30	817.24	823.21	-5.97	-2.34
38	2030.00	2008.60	1930.30	823.25	829.07	-5.82	2.33
39	2050.00	2028.60	1950.30	830.25	835.67	-5.41	6.13
40	2070.00	2048.60	1970.30	835.26	841.45	-6.19	-11.80
41	2090.00	2068.60	1990.30	841.26	847.46	-6.19	-.07
42	2110.00	2088.60	2010.30	847.27	853.36	-6.09	1.62
43	2130.00	2108.60	2030.30	853.27	859.13	-5.85	3.66
44	2150.00	2128.60	2050.30	860.28	864.83	-4.55	19.91
45	2170.00	2148.60	2070.30	864.28	870.42	-6.13	-24.16
46	2190.00	2168.60	2090.30	871.29	876.31	-5.02	16.93
47	2210.00	2188.60	2110.30	878.29	882.63	-4.34	10.46
48	2230.00	2208.60	2130.30	884.30	888.94	-4.65	-4.73

457046

COMPANY : AMOCO AUSTRALIA PETROLEUM CO WELL : PELICAN #5 PAGE 4

LEVEL NUMBER	MEASURED DEPTH FROM KB M	VERTICAL DEPTH FROM SRD M	VERTICAL DEPTH FROM GL M	VERTICAL TRAVEL TIME SRD/GEO MS	INTEGRATED RAW SONIC TIME MS	COMPUTED DRIFT AT LEVEL MS	COMPUTED BLK-SHFT CORRECTION US/F
49	2250.00	2228.60	2150.30	890.30	894.81	-4.51	2.08
50	2270.00	2248.60	2170.30	896.30	900.74	-4.44	1.11
51	2290.00	2268.60	2190.30	902.31	906.37	-4.06	5.70
52	2310.00	2288.60	2210.30	908.31	912.57	-4.26	-2.96
53	2330.00	2308.60	2230.30	915.31	918.09	-2.77	22.60
54	2350.00	2328.60	2250.30	921.32	923.82	-2.50	4.12
55	2370.00	2348.60	2270.30	925.32	929.67	-4.35	-28.19
56	2390.00	2368.60	2290.30	933.33	935.54	-2.22	32.51
57	2410.00	2388.60	2310.30	938.33	941.35	-3.02	-12.28
58	2430.00	2408.60	2330.30	945.33	946.99	-1.66	20.83
59	2450.00	2428.60	2350.30	949.34	952.54	-3.20	-23.52
60	2464.00	2442.60	2364.30	955.34	956.83	-1.49	37.26
61	2490.00	2468.60	2390.30	961.34	963.84	-2.50	-11.80
62	2510.00	2488.60	2410.30	968.35	969.43	-1.08	21.69
63	2530.00	2508.60	2430.30	972.35	974.70	-2.35	-19.40
64	2550.00	2528.60	2450.30	977.35	980.19	-2.84	-7.37
65	2570.00	2548.60	2470.30	983.36	985.55	-2.19	9.77
66	2590.00	2568.60	2490.30	989.36	990.82	-1.46	11.13
67	2610.00	2588.60	2510.30	994.36	996.09	-1.73	-4.01
68	2630.00	2608.60	2530.30	999.37	1001.57	-2.20	-7.19
69	2650.00	2628.60	2550.30	1005.37	1007.24	-1.87	4.95
70	2670.00	2648.60	2570.30	1009.37	1012.51	-3.14	-19.27
71	2690.00	2668.60	2590.30	1016.37	1017.55	-1.18	29.86
72	2710.00	2688.60	2610.30	1021.38	1022.70	-1.32	-2.16

457047

LEVEL NUMBER	MEASURED DEPTH FROM KB M	VERTICAL DEPTH FROM SRD M	VERTICAL DEPTH FROM GL M	VERTICAL TRAVEL TIME SRD/GEO MS	INTEGRATED RAW SONIC TIME MS	COMPUTED DRIFT AT LEVEL MS	COMPUTED BLK-SHFT CORRECTION US/F
73	2730.00	2708.60	2630.30	1027.38	1028.17	-.79	8.03
74	2750.00	2728.60	2650.30	1032.38	1033.50	-1.12	-4.91
75	2770.00	2748.60	2670.30	1039.38	1038.94	.44	23.76
76	2784.00	2762.60	2684.30	1043.39	1042.70	.68	5.26
77	2790.00	2768.60	2690.30	1045.39	1044.39	1.00	15.88
78	2810.00	2788.60	2710.30	1051.39	1049.69	1.70	10.76
79	2850.00	2828.60	2750.30	1057.40	1059.88	-2.49	-31.92
80	2870.00	2848.60	2770.30	1062.40	1064.85	-2.45	.49
81	2890.00	2868.60	2790.30	1066.40	1069.96	-3.56	-16.85
82	2910.00	2888.60	2810.30	1072.40	1074.86	-2.46	16.76
83	2930.00	2908.60	2830.30	1079.41	1080.36	-.96	22.90
84	2950.00	2928.60	2850.30	1086.41	1085.36	1.05	30.55
85	2970.00	2948.60	2870.30	1090.41	1090.49	-.08	-17.19
86	2990.00	2968.60	2890.30	1095.41	1095.81	-.40	-4.86
87	3010.00	2988.60	2910.30	1100.41	1101.17	-.76	-5.43
88	3030.00	3008.60	2930.30	1105.42	1106.19	-.77	-.29
89	3050.00	3028.60	2950.30	1111.42	1111.38	.04	12.40
90	3070.00	3048.60	2970.30	1116.42	1116.45	-.03	-1.04
91	3090.00	3068.60	2990.30	1122.42	1121.45	.97	15.27
92	3110.00	3088.60	3010.30	1126.42	1126.07	.35	-9.46
93	3130.00	3108.60	3030.30	1131.43	1131.51	-.08	-6.60
94	3150.00	3128.60	3050.30	1137.43	1136.59	.84	14.03
95	3170.00	3148.60	3070.30	1144.43	1141.72	2.71	28.46
96	3190.00	3168.60	3090.30	1149.43	1146.60	2.83	1.86

457048

LEVEL NUMBER	MEASURED DEPTH FROM KB M	VERTICAL DEPTH FROM SRD M	VERTICAL DEPTH FROM GL M	VERTICAL TRAVEL TIME SRD/GEO MS	INTEGRATED RAW SONIC TIME MS	COMPUTED DRIFT AT LEVEL MS	COMPUTED BLK-SHFT CORRECTION US/F
							.07
97	3230.00	3208.60	3130.30	1159.44	1156.60	2.84	
							13.63
98	3250.00	3228.60	3150.30	1165.44	1161.70	3.73	
							-13.33
99	3270.00	3248.60	3170.30	1169.44	1166.58	2.86	
							37.59
100	3290.00	3268.60	3190.30	1176.44	1171.12	5.33	
							.26
101	3310.00	3288.60	3210.30	1181.44	1176.10	5.34	
							1.78
102	3330.00	3308.60	3230.30	1186.44	1180.99	5.46	
							-13.25
103	3350.00	3328.60	3250.30	1190.45	1185.86	4.59	
							30.16
104	3370.00	3348.60	3270.30	1197.45	1190.88	6.57	
							-1.86
105	3390.00	3368.60	3290.30	1202.45	1196.00	6.45	
							-3.57
106	3410.00	3388.60	3310.30	1207.45	1201.24	6.21	
							13.37
107	3430.00	3408.60	3330.30	1213.45	1206.36	7.09	
							-1.97
108	3450.00	3428.60	3350.30	1218.45	1211.49	6.96	
							-.12
109	3470.00	3448.60	3370.30	1223.46	1216.50	6.95	
							27.26
110	3490.00	3468.60	3390.30	1230.46	1221.71	8.74	
							-12.89
111	3510.00	3488.60	3410.30	1234.46	1226.56	7.90	
							-16.27
112	3530.00	3508.60	3430.30	1238.46	1231.63	6.83	
							29.05
113	3550.00	3528.60	3450.30	1245.46	1236.73	8.74	
							11.15
114	3570.00	3548.60	3470.30	1251.46	1242.00	9.47	
							-20.66
115	3590.00	3568.60	3490.30	1255.46	1247.35	8.11	
							-.26
116	3610.00	3588.60	3510.30	1260.47	1252.37	8.09	
							-.09
117	3630.00	3608.60	3530.30	1265.47	1257.38	8.09	
							12.72
118	3700.00	3678.60	3600.30	1285.47	1274.46	11.01	
							-11.27
119	3750.00	3728.60	3650.30	1296.48	1287.31	9.16	
							4.92
120	3800.00	3778.60	3700.30	1309.48	1299.51	9.97	

457049

LEVEL NUMBER	MEASURED DEPTH FROM KB M	VERTICAL DEPTH FROM SRD M	VERTICAL DEPTH FROM GL M	VERTICAL TRAVEL TIME SRD/GEO MS	INTEGRATED RAW SONIC TIME MS	COMPUTED DRIFT AT LEVEL MS	COMPUTED BLK-SHFT CORRECTION US/F
							32.59
121	3850.00	3828.60	3750.30	1327.48	1312.17	15.31	
							9.42
122	3900.00	3878.60	3800.30	1341.48	1324.62	16.86	
							-1.84
123	3930.00	3908.60	3830.30	1348.49	1331.81	16.68	
							-1.67
124	4000.00	3978.60	3900.30	1365.49	1349.20	16.29	
							-4.38
125	4150.00	4128.60	4050.30	1399.50	1385.36	14.14	
							-11.78
126	4170.00	4148.60	4070.30	1403.50	1390.14	13.36	
							8.26
127	4200.00	4178.60	4100.30	1411.50	1397.32	14.18	
							3.63
128	4220.00	4198.60	4120.30	1416.50	1402.09	14.41	
							33.35
129	4240.00	4218.60	4140.30	1423.50	1406.90	16.60	
							0
130	4249.98	4228.58	4150.28	1425.98	1409.38	16.60	

ATTACHMENT 6

457050

ANALYST: R.BUNT   11-MAR-86 10:33:49   PROGRAM: GADJST 008.E07

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*   SCHLUMBERGER    *
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SONIC ADJUSTMENT PARAMETER REPORT

COMPANY   : AMOCO AUSTRALIA PETROLEUM CO

WELL   : PELICAN #5

STATE   : TASMANIA

RIG   : D.M.EPOCH

COUNTRY   : AUSTRALIA

REFERENCE: FS2A.540,493

457051

LONG DEFINITIONS

GLOBAL

SRCDRF - ORIGIN OF ADJUSTMENT DATA
CONADJ - CONSTANT ADJUSTMENT TO AUTOMATIC DELTA-T MINIMUM = 7.5 US/F
UNERTH - UNIFORM EARTH VELOCITY (GTRFRM)

ZONE

ZDRIFT - USER DRIFT AT BOTTOM OF THE ZONE
ADJOPZ - TYPE OF ADJUSTMNENT IN THE DRIFT ZONE : 0=DELTA-T MIN, 1=BLOCKSHIFT
ADJUSZ - DELTA-T MINIMUM USED FOR ADJUSTMENT IN THE DRIFT ZONE
LOFVEL - LAYER OPTION FLAG FOR VELOCITY: -1=NONE; 0=UNIFORM; 1=UNIFORM+LAYER
LAYVEL - USER SUPPLIED VELOCITY DATA

SAMPLED

SHOT - Shot number
VDKB - VERTICAL DEPTH RELATIVE TO KB
DSRD - Depth from SRD
DGL - VERTICAL DEPTH RELATIVE TO GROUND LEVEL (USER'S REFERENCE)
KNEE - Knee
BLSH - BLOCK SHIFT BETWEEN SHOTS OR KNEE
DTMI - VALUE OF DELTA-T MINIMUM USED
COEF - DELTA-T MIN COEFFICIENT USED IN THE DRIFT ZONE
DRGR - GRADIENT OF DRIFT CURVE

(GLOBAL PARAMETERS)			(VALUE)	
ORIG OF ADJ DATA (WST)	SRCDRF	:	2.00000	
CONS SONIC ADJST (WST)	CONADJ	:	7.50000	US/F
UNIFORM EARTH VELOCITY	UNERTH	:	2133.60	M/S

(ZONED PARAMETERS)			(VALUE)		(LIMITS)		
USER DRIFT ZONE (WST)	ZDRIFT	:	14.20000	MS	4250.00	-	4121.00
			14.20000		4121.00		3883.00
			16.00000		3883.00		3594.50
			9.200000		3594.50		3110.00
			0		3110.00		2466.00
			-2.500000		2466.00		1747.50
			-7.800000		1747.50		1311.00
			-9.000000		1311.00		845.500
			3.400000		845.500		400.000
			0		400.000		0
ADJUSMNT MODE (WST)	ADJOPZ	:	-999.2500		30479.7	-	0
USER DELTA-T MIN (WST)	ADJUSZ	:	-999.2500	US/F	30479.7	-	0
LAYER OPTION FLAG VELOC	LOFVEL	:	1.000000		30479.7	-	0
USER VELOC (WST)	LAYVEL	:	1773.000	M/S	30479.7	-	0

COMPANY : AMOCO AUSTRALIA PETROLEUM CO WELL : PELICAN #5

KNEE NUMBER	VERTICAL DEPTH FROM KB M	VERTICAL DEPTH FROM SRD M	VERTICAL DEPTH FROM GL M	DRIFT AT KNEE MS	BLOCKSHIFT USED US/F	DELTA-T MINIMUM USED US/F	REDUCTION FACTOR G	EQUIVALENT BLOCKSHIFT US/F
					0			0
2	400.00	378.60	300.30	0				
					2.33			2.33
3	845.50	824.10	745.80	3.40				
						123.30	.52	-8.12
4	1311.00	1289.60	1211.30	-9.00				
					.84			.84
5	1747.50	1726.10	1647.80	-7.80				
					2.25			2.25
6	2466.00	2444.60	2366.30	-2.50				
					1.18			1.18
7	3110.00	3088.60	3010.30	0				
					5.79			5.79
8	3594.50	3573.10	3494.80	9.20				
					7.18			7.18
9	3883.00	3861.60	3783.30	16.00				
						64.34	.77	-2.31
10	4121.00	4099.60	4021.30	14.20				
					0			0
11	4250.00	4228.60	4150.30	14.20				

ATTACHMENT 7

457053

AN[illegible]YST: R.BUNT 11-MAR-86 10:34:20 PROGRAM: GADJST 008.E07

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VELOCITY REPORT

COMPANY : AMOCO AUSTRALIA PETROLEUM CO

WELL : PELICAN #5

STATE : TASMANIA

RIG : D.M.EPOCH

COUNTRY : AUSTRALIA

REFERENCE: FS2A.540,493

457054

LONG DEFINITIONS

GLOBAL

KB - ELEVATION OF THE KELLY-BUSHING ABOVE MSL OR MWL
SRD - ELEVATION OF THE SEISMIC REFERENCE DATUM ABOVE MSL OR MWL
EKB - Elevation of Kelly Bushing
GL - ELEVATION OF USER'S REFERENCE (GENERALLY GROUND LEVEL) ABOVE SRD
UNERTH - UNIFORM EARTH VELOCITY (GTRFRM)

ZONE

LOFVEL - LAYER OPTION FLAG FOR VELOCITY: -1=NONE; Ø=UNIFORM; 1=UNIFORM+LAYER
LAYVEL - USER SUPPLIED VELOCITY DATA

SAMPLED

SHOT - Shot number
DKB - MEASURED DEPTH FROM KELLY-BUSHING
DSRD - Depth from SRD
DGL - VERTICAL DEPTH RELATIVE TO GROUND LEVEL (USER'S REFERENCE)
SHTM - Shot time (WST)
ADJS - ADJUSTED SONIC TRAVEL TIME
SHDR - DRIFT AT SHOT OR KNEE
REST - RESIDUAL TRAVEL TIME AT KNEE
INTV - Internal velocity, average

(GLOBAL PARAMETERS)		(VALUE)	
ELEV OF KB AB. MSL (WST)	KB	: 21.4ØØØ	M
ELEV OF SRD AB. MSL(WST)	SRD	: Ø	M
Elevation of Kelly Bushi	EKB	: 21.4ØØØ	M
ELEV OF GL AB. SRD(WST)	GL	: -78.3ØØØ	M
UNIFORM EARTH VELOCITY	UNERTH	: 2133.6Ø	M/S

(ZONED PARAMETERS)		(VALUE)		(LIMITS)	
LAYER OPTION FLAG VELOC	LOFVEL	: 1.ØØØØØØ		3Ø479.7 -	Ø
USER VELOC (WST)	LAYVEL	: 1773.ØØØ	M/S	3Ø479.7 -	Ø

457055

LEVEL NUMBER	MEASURED DEPTH FROM KB M	VERTICAL DEPTH FROM SRD M	VERTICAL DEPTH FROM GL M	VERTICAL TRAVEL TIME SRD/GEOPH MS	INTEGRATED ADJUSTED SONIC TIME MS	DRIFT = SHOT TIME - RAW SON MS	RESIDUAL = SHOT TIME - ADJ SON MS	ADJUSTED INTERVAL VELOCITY M/S
								1773
1	100.00	78.60	.30	44.33	44.33	0	0	
								1600
2	200.00	178.60	100.30	106.86	106.83	0	.03	
								2272
3	400.00	378.60	300.30	194.88	194.85	0	.03	
								2562
4	500.00	478.60	400.30	233.57	233.89	.42	-.31	
								2627
5	600.00	578.60	500.30	271.01	271.95	.55	-.94	
								2511
6	900.00	878.60	800.30	392.62	391.42	3.38	1.20	
								2400
7	1000.00	978.60	900.30	432.74	433.09	-.23	-.35	
								2349
8	1100.00	1078.60	1000.30	475.83	475.66	-2.14	.17	
								2289
9	1200.00	1178.60	1100.30	518.90	519.35	-5.90	-.45	
								2265
10	1300.00	1278.60	1200.30	562.96	563.51	-9.39	-.55	
								2426
11	1400.00	1378.60	1300.30	604.02	604.74	-9.50	-.72	
								2615
12	1500.00	1478.60	1400.30	642.06	642.98	-9.42	-.91	
								2864
13	1530.00	1508.60	1430.30	653.08	653.45	-8.80	-.37	
								2888
14	1550.00	1528.60	1450.30	660.09	660.38	-8.66	-.29	
								2876
15	1570.00	1548.60	1470.30	668.10	667.33	-7.55	.77	
								2780
16	1590.00	1568.60	1490.30	675.10	674.53	-7.68	.58	
								2964
17	1610.00	1588.60	1510.30	681.11	681.27	-8.37	-.16	
								3053
18	1630.00	1608.60	1530.30	688.12	687.82	-7.85	.30	
								2603
19	1650.00	1628.60	1550.30	695.13	695.51	-8.47	-.38	
								2489
20	1670.00	1648.60	1570.30	704.14	703.54	-7.45	.59	
								2539
21	1690.00	1668.60	1590.30	713.14	711.42	-6.26	1.72	
								2540
22	1710.00	1688.60	1610.30	719.15	719.30	-8.07	-.15	
								2517
23	1730.00	1708.60	1630.30	728.16	727.24	-6.96	.91	
								2617
24	1750.00	1728.60	1650.30	734.16	734.88	-8.53	-.72	

457056

LEVEL NUMBER	MEASURED DEPTH FROM KB M	VERTICAL DEPTH FROM SRD M	VERTICAL DEPTH FROM GL M	VERTICAL TRAVEL TIME SRD/GEOPH MS	INTEGRATED ADJUSTED SONIC TIME MS	DRIFT = SHOT TIME - RAW SON MS	RESIDUAL = SHOT TIME - ADJ SON MS	ADJUSTED INTERVAL VELOCITY M/S
25	1770.00	1748.60	1670.30	741.17	741.22	-7.72	-.05	3156
26	1790.00	1768.60	1690.30	748.18	748.06	-7.40	.12	2926
27	1810.00	1788.60	1710.30	755.18	754.62	-6.80	.57	3050
28	1830.00	1808.60	1730.30	761.19	761.07	-7.11	.12	3098
29	1850.00	1828.60	1750.30	767.20	767.58	-7.46	-.39	3073
30	1870.00	1848.60	1770.30	774.20	773.93	-6.65	.28	3152
31	1890.00	1868.60	1790.30	780.21	780.36	-6.93	-.15	3108
32	1910.00	1888.60	1810.30	787.21	786.75	-6.17	.46	3129
33	1930.00	1908.60	1830.30	793.22	792.66	-5.92	.56	3385
34	1950.00	1928.60	1850.30	799.23	798.76	-5.88	.46	3276
35	1970.00	1948.60	1870.30	805.23	804.86	-5.82	.37	3281
36	1990.00	1968.60	1890.30	811.24	811.01	-5.82	.23	3251
37	2010.00	1988.60	1910.30	817.24	817.31	-5.97	-.07	3174
38	2030.00	2008.60	1930.30	823.25	823.32	-5.82	-.07	3331
39	2050.00	2028.60	1950.30	830.25	830.07	-5.41	.18	2963
40	2070.00	2048.60	1970.30	835.26	835.99	-6.19	-.74	3375
41	2090.00	2068.60	1990.30	841.26	842.15	-6.19	-.89	3248
42	2110.00	2088.60	2010.30	847.27	848.20	-6.09	-.94	3305
43	2130.00	2108.60	2030.30	853.27	854.11	-5.85	-.84	3385
44	2150.00	2128.60	2050.30	860.28	859.96	-4.55	.32	3420
45	2170.00	2148.60	2070.30	864.28	865.70	-6.13	-1.42	3485
46	2190.00	2168.60	2090.30	871.29	871.74	-5.02	-.46	3310
47	2210.00	2188.60	2110.30	878.29	878.20	-4.34	.09	3095
48	2230.00	2208.60	2130.30	884.30	884.67	-4.65	-.37	3095

457057

LEVEL NUMBER	MEASURED DEPTH FROM KB M	VERTICAL DEPTH FROM SRD M	VERTICAL DEPTH FROM GL M	VERTICAL TRAVEL TIME SRD/GEOPH MS	INTEGRATED ADJUSTED SONIC TIME MS	DRIFT = SHOT TIME - RAW SON MS	RESIDUAL = SHOT TIME - ADJ SON MS	ADJUSTED INTERVAL VELOCITY M/S
49	2250.00	2228.60	2150.30	890.30	890.68	-4.51	-.38	3323
50	2270.00	2248.60	2170.30	896.30	896.76	-4.44	-.46	3290
51	2290.00	2268.60	2190.30	902.31	902.54	-4.06	-.23	3463
52	2310.00	2288.60	2210.30	908.31	908.88	-4.26	-.57	3153
53	2330.00	2308.60	2230.30	915.31	914.55	-2.77	.77	3529
54	2350.00	2328.60	2250.30	921.32	920.43	-2.50	.89	3401
55	2370.00	2348.60	2270.30	925.32	926.43	-4.35	-1.11	3331
56	2390.00	2368.60	2290.30	933.33	932.45	-2.22	.88	3324
57	2410.00	2388.60	2310.30	938.33	938.41	-3.02	-.08	3367
58	2430.00	2408.60	2330.30	945.33	944.19	-1.66	1.14	3458
59	2450.00	2428.60	2350.30	949.34	949.89	-3.20	-.55	3510
60	2464.00	2442.60	2364.30	955.34	954.28	-1.49	1.06	3189
61	2490.00	2468.60	2390.30	961.34	961.40	-2.50	-.05	3653
62	2510.00	2488.60	2410.30	968.35	967.06	-1.08	1.29	3532
63	2530.00	2508.60	2430.30	972.35	972.42	-2.35	-.07	3735
64	2550.00	2528.60	2450.30	977.35	977.98	-2.84	-.63	3593
65	2570.00	2548.60	2470.30	983.36	983.42	-2.19	-.06	3679
66	2590.00	2568.60	2490.30	989.36	988.77	-1.46	.59	3738
67	2610.00	2588.60	2510.30	994.36	994.12	-1.73	.25	3741
68	2630.00	2608.60	2530.30	999.37	999.67	-2.20	-.30	3603
69	2650.00	2628.60	2550.30	1005.37	1005.42	-1.87	-.06	3474
70	2670.00	2648.60	2570.30	1009.37	1010.77	-3.14	-1.40	3743
71	2690.00	2668.60	2590.30	1016.37	1015.89	-1.18	.49	3906
72	2710.00	2688.60	2610.30	1021.38	1021.11	-1.32	.27	3830

457058

COMPANY : AMOCO AUSTRALIA PETROLEUM CO WELL : PELICAN #5 PAGE 7

LEVEL NUMBER	MEASURED DEPTH FROM KB M	VERTICAL DEPTH FROM SRD M	VERTICAL DEPTH FROM GL M	VERTICAL TRAVEL TIME SRD/GEOPH MS	INTEGRATED ADJUSTED SONIC TIME MS	DRIFT = SHOT TIME - RAW SON MS	RESIDUAL = SHOT TIME - ADJ SON MS	ADJUSTED INTERVAL VELOCITY M/S
73	2730.00	2708.60	2630.30	1027.38	1026.66	-.79	.72	3601
74	2750.00	2728.60	2650.30	1032.38	1032.07	-1.12	.31	3701
75	2770.00	2748.60	2670.30	1039.38	1037.59	.44	1.80	3624
76	2784.00	2762.60	2684.30	1043.39	1041.40	.68	1.98	3668
77	2790.00	2768.60	2690.30	1045.39	1043.11	1.00	2.27	3508
78	2810.00	2788.60	2710.30	1051.39	1048.49	1.70	2.90	3723
79	2850.00	2828.60	2750.30	1057.40	1058.84	-2.49	-1.44	3864
80	2870.00	2848.60	2770.30	1062.40	1063.89	-2.46	-1.49	3962
81	2890.00	2868.60	2790.30	1066.40	1069.07	-3.56	-2.67	3856
82	2910.00	2888.60	2810.30	1072.40	1074.05	-2.46	-1.65	4018
83	2930.00	2908.60	2830.30	1079.41	1079.63	-.96	-.22	3586
84	2950.00	2928.60	2850.30	1086.41	1084.71	1.05	1.69	3933
85	2970.00	2948.60	2870.30	1090.41	1089.91	-.08	.50	3846
86	2990.00	2968.60	2890.30	1095.41	1095.31	-.40	.10	3706
87	3010.00	2988.60	2910.30	1100.41	1100.75	-.76	-.33	3679
88	3030.00	3008.60	2930.30	1105.42	1105.84	-.77	-.43	3923
89	3050.00	3028.60	2950.30	1111.42	1111.11	.04	.31	3798
90	3070.00	3048.60	2970.30	1116.42	1116.26	-.03	.16	3886
91	3090.00	3068.60	2990.30	1122.42	1121.34	.97	1.09	3938
92	3110.00	3088.60	3010.30	1126.42	1126.04	.35	.39	4256
93	3130.00	3108.60	3030.30	1131.43	1131.85	-.08	-.43	3439
94	3150.00	3128.60	3050.30	1137.43	1137.31	.84	.12	3663
95	3170.00	3148.60	3070.30	1144.43	1142.83	2.71	1.60	3627
96	3190.00	3168.60	3090.30	1149.43	1148.09	2.83	1.35	3803

457059

LEVEL NUMBER	MEASURED DEPTH FROM KB M	VERTICAL DEPTH FROM SRD M	VERTICAL DEPTH FROM GL M	VERTICAL TRAVEL TIME SRD/GEOPH MS	INTEGRATED ADJUSTED SONIC TIME MS	DRIFT = SHOT TIME - RAW SON MS	RESIDUAL = SHOT TIME - ADJ SON MS	ADJUSTED INTERVAL VELOCITY M/S
								3717
97	3230.00	3208.60	3130.30	1159.44	1158.85	2.84	.59	
								3650
98	3250.00	3228.60	3150.30	1165.44	1164.33	3.73	1.11	
								3804
99	3270.00	3248.60	3170.30	1169.44	1169.58	2.86	-.14	
								4068
100	3290.00	3268.60	3190.30	1176.44	1174.50	5.33	1.94	
								3729
101	3310.00	3288.60	3210.30	1181.44	1179.86	5.34	1.58	
								3799
102	3330.00	3308.60	3230.30	1186.44	1185.13	5.46	1.32	
								3808
103	3350.00	3328.60	3250.30	1190.45	1190.38	4.59	.07	
								3701
104	3370.00	3348.60	3270.30	1197.45	1195.78	6.57	1.67	
								3635
105	3390.00	3368.60	3290.30	1202.45	1201.28	6.45	1.17	
								3562
106	3410.00	3388.60	3310.30	1207.45	1206.90	6.21	.55	
								3633
107	3430.00	3408.60	3330.30	1213.45	1212.40	7.09	1.05	
								3629
108	3450.00	3428.60	3350.30	1218.45	1217.91	6.96	.54	
								3712
109	3470.00	3448.60	3370.30	1223.46	1223.30	6.95	.15	
								3575
110	3490.00	3468.60	3390.30	1230.46	1228.90	8.74	1.56	
								3826
111	3510.00	3488.60	3410.30	1234.46	1234.12	7.90	.34	
								3670
112	3530.00	3508.60	3430.30	1238.46	1239.57	6.83	-1.11	
								3654
113	3550.00	3528.60	3450.30	1245.46	1245.05	8.74	.42	
								3540
114	3570.00	3548.60	3470.30	1251.46	1250.70	9.47	.77	
								3486
115	3590.00	3568.60	3490.30	1255.46	1256.43	8.11	-.97	
								3657
116	3610.00	3588.60	3510.30	1260.47	1261.90	8.09	-1.43	
								3651
117	3630.00	3608.60	3530.30	1265.47	1267.38	8.09	-1.91	
								3737
118	3700.00	3678.60	3600.30	1285.47	1286.11	11.01	-.64	
								3564
119	3750.00	3728.60	3650.30	1296.48	1300.14	9.16	-3.67	
								3740
120	3800.00	3778.60	3700.30	1309.48	1313.51	9.97	-4.03	

457060

COMPANY : AMOCO AUSTRALIA PETROLEUM CO WELL : PELICAN #5

LEVEL NUMBER	MEASURED DEPTH FROM KB M	VERTICAL DEPTH FROM SRD M	VERTICAL DEPTH FROM GL M	VERTICAL TRAVEL TIME SRD/GEOPH MS	INTEGRATED ADJUSTED SONIC TIME MS	DRIFT = SHOT TIME - RAW SON MS	RESIDUAL = SHOT TIME - ADJ SON MS	ADJUSTED INTERVAL VELOCITY M/S
121	3850.00	3828.60	3750.30	1327.48	1327.35	16.31	.13	3613
122	3900.00	3878.60	3800.30	1341.48	1340.48	16.86	1.00	3809
123	3930.00	3908.60	3830.30	1348.49	1347.46	16.68	1.02	4297
124	4000.00	3978.60	3900.30	1365.49	1364.24	16.29	1.25	4173
125	4150.00	4128.60	4050.30	1399.50	1399.52	14.14	-.03	4251
126	4170.00	4148.60	4070.30	1403.50	1404.30	13.36	-.80	4189
127	4200.00	4178.60	4100.30	1411.50	1411.49	14.18	.01	4173
128	4220.00	4198.60	4120.30	1416.50	1416.25	14.41	.25	4200
129	4240.00	4218.60	4140.30	1423.50	1421.06	16.60	2.44	4155
130	4249.98	4228.58	4150.28	1425.98	1423.52	16.60	2.46	4063

ANALYST: R.BUNT   11-MAR-86 11:22:19   PROGRAM: GTRFRM 007.E08

457061

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*   SCHLUMBERGER   *
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TIME CONVERTED VELOCITY REPORT

COMPANY : AMOCO AUSTRALIA PETROLEUM CO
WELL   : PELICAN #5
COUNTY   : TASMANIA
STATE   : D.M.EPOCH
COUNTRY : AUSTRALIA
REFERENCE: FS2A,540,393

ATTACHMENT 8

457062

LONG DEFINITIONS

GLOBAL
KB - ELEVATION OF THE KELLY-BUSHING ABOVE MSL OR MWL
SRD - ELEVATION OF THE SEISMIC REFERENCE DATUM ABOVE MSL OR MWL
GL - ELEVATION OF USER'S REFERENCE (GENERALLY GROUND LEVEL) ABOVE SRD
UNERTH - UNIFORM EARTH VELOCITY (GTRFRM)
UNFDEN - UNIFORM DENSITY VALUE

MATRIX
MVODIS - MOVE-OUT DISTANCE FROM BOREHOLE

ZONE
LOFVEL - LAYER OPTION FLAG FOR VELOCITY: -1=NONE; 0=UNIFORM; 1=UNIFORM+LAYER
LAYVEL - USER SUPPLIED VELOCITY DATA
LOFDEN - LAYER OPTION FLAG FOR DENSITY : -1=NONE; 0=UNIFORM; 1=UNIFORM+LAYER
LAYDEN - USER SUPPLIED DENSITY DATA

SAMPLED
TWOT - TWO WAY TRAVEL TIME (RELATIVE TO THE SEISMIC REFERENCE
DKB - MEASURED DEPTH FROM KELLY-BUSHING
DSRD - DEPTH FROM SRD
AVGV - AVERAGE SEISMIC VELOCITY
RMSV - ROOT MEAN SQUARE VELOCITY (SEISMIC)
MVOT - NORMAL MOVE-OUT
MVOT - NORMAL MOVE-OUT
MVOT - NORMAL MOVE-OUT
INTV - INTERNAL VELOCITY, AVERAGE

(GLOBAL PARAMETERS)			(VALUE)	
ELEV OF KB AB. MSL (WST)	KB	:	21.4000	M
ELEV OF SRD AB. MSL(WST)	SRD	:	0	M
ELEV OF GL AB. SRD(WST)	GL	:	-78.3000	M
UNIFORM EARTH VELOCITY	UNERTH	:	2133.60	M/S
UNIFORM DENSITY VALUE	UNFDEN	:	2.30000	G/C3

(MATRIX PARAMETERS)

	MVOUT DIST M
1	1000.0
2	1500.0
3	2000.0

457063

(ZONED PARAMETERS)		(VALUE)		(LIMITS)		
LAYER OPTION FLAG VELOC	LOFVEL	: 1.000000		30479.7	-	0
USER VELOC (WST)	LAYVEL	: 1773.000	M/S	30479.7	-	0
LAYER OPTION FLAG DENS	LOFDEN	:-1.000000		30479.7	-	0
USER SUPPLIED DENSITY DA	LAYDEN	:-999.2500	G/C3	30479.7	-	0

457064

TWO-WAY TRAVEL TIME FROM SRD MS	MEASURED DEPTH FROM KB M	VERTICAL DEPTH FROM SRD M	AVERAGE VELOCITY SRD/GEO M/S	RMS VELOCITY M/S	FIRST NORMAL MOVEOUT MS	SECOND NORMAL MOVEOUT MS	THIRD NORMAL MOVEOUT MS	INTERVAL VELOCITY M/S
								1773
0	21.40	0						1773
2.00	23.17	1.77	1773	1773	562.02	844.03	1126.03	1773
4.00	24.95	3.55	1773	1773	560.03	842.03	1124.04	1773
6.00	26.72	5.32	1773	1773	558.05	840.05	1122.05	1773
8.00	28.49	7.09	1773	1773	556.07	838.06	1120.06	1773
10.00	30.27	8.87	1773	1773	554.10	836.08	1118.08	1773
12.00	32.04	10.64	1773	1773	552.14	834.11	1116.10	1773
14.00	33.81	12.41	1773	1773	550.19	832.14	1114.12	1773
16.00	35.58	14.18	1773	1773	548.24	830.18	1112.15	1773
18.00	37.36	15.96	1773	1773	546.30	828.22	1110.18	1773
20.00	39.13	17.73	1773	1773	544.37	826.26	1108.21	1773
22.00	40.90	19.50	1773	1773	542.44	824.31	1106.25	1773
24.00	42.68	21.28	1773	1773	540.53	822.36	1104.29	1773
26.00	44.45	23.05	1773	1773	538.61	820.42	1102.33	1773
28.00	46.22	24.82	1773	1773	536.71	818.49	1100.38	1773
30.00	47.99	26.59	1773	1773	534.81	816.56	1098.43	1773
32.00	49.77	28.37	1773	1773	532.92	814.63	1096.49	1773
34.00	51.54	30.14	1773	1773	531.04	812.71	1094.54	1773
36.00	53.31	31.91	1773	1773	529.16	810.79	1092.61	1773
38.00	55.09	33.69	1773	1773	527.29	808.88	1090.67	1773
40.00	56.86	35.46	1773	1773	525.43	806.97	1088.74	1773
42.00	58.63	37.23	1773	1773	523.58	805.07	1086.81	1773
44.00	60.41	39.01	1773	1773	521.73	803.17	1084.89	1773
46.00	62.18	40.78	1773	1773	519.89	801.27	1082.97	

TWO-WAY TRAVEL TIME FROM SRD MS	MEASURED DEPTH FROM KB M	VERTICAL DEPTH FROM SRD M	AVERAGE VELOCITY SRD/GEO M/S	RMS VELOCITY M/S	FIRST NORMAL MOVEOUT MS	SECOND NORMAL MOVEOUT MS	THIRD NORMAL MOVEOUT MS	INTERVAL VELOCITY M/S
								1773
48,00	63,95	42,55	1773	1773	518,05	799,38	1081,05	
								1773
50,00	65,73	44,33	1773	1773	516,23	797,50	1079,14	
								1773
52,00	67,50	46,10	1773	1773	514,41	795,62	1077,23	
								1773
54,00	69,27	47,87	1773	1773	512,59	793,75	1075,32	
								1773
56,00	71,04	49,64	1773	1773	510,79	791,88	1073,42	
								1773
58,00	72,82	51,42	1773	1773	508,99	790,01	1071,52	
								1773
60,00	74,59	53,19	1773	1773	507,20	788,15	1069,63	
								1773
62,00	76,36	54,96	1773	1773	505,41	786,29	1067,73	
								1773
64,00	78,14	56,74	1773	1773	503,64	784,44	1065,85	
								1773
66,00	79,91	58,51	1773	1773	501,86	782,59	1063,96	
								1773
68,00	81,68	60,28	1773	1773	500,10	780,75	1062,08	
								1773
70,00	83,46	62,06	1773	1773	498,34	778,91	1060,20	
								1773
72,00	85,23	63,83	1773	1773	496,59	777,08	1058,33	
								1773
74,00	87,00	65,60	1773	1773	494,85	775,25	1056,46	
								1773
76,00	88,77	67,37	1773	1773	493,11	773,43	1054,59	
								1773
78,00	90,55	69,15	1773	1773	491,38	771,61	1052,73	
								1773
80,00	92,32	70,92	1773	1773	489,66	769,80	1050,86	
								1773
82,00	94,09	72,69	1773	1773	487,95	767,99	1049,01	
								1773
84,00	95,87	74,47	1773	1773	486,24	766,18	1047,15	
								1773
86,00	97,64	76,24	1773	1773	484,53	764,38	1045,31	
								1773
88,00	99,41	78,01	1773	1773	482,84	762,59	1043,46	
								1646
90,00	101,06	79,66	1770	1770	482,01	762,09	1043,35	
								1599
92,00	102,66	81,26	1766	1767	481,44	761,99	1043,76	
								1599
94,00	104,26	82,86	1763	1763	480,84	761,84	1044,10	

457066

TWO-WAY TRAVEL TIME FROM SRD MS	MEASURED DEPTH FROM KB M	VERTICAL DEPTH FROM SRD M	AVERAGE VELOCITY SRD/GEO M/S	RMS VELOCITY M/S	FIRST NORMAL MOVEOUT MS	SECOND NORMAL MOVEOUT MS	THIRD NORMAL MOVEOUT MS	INTERVAL VELOCITY M/S
								1599
96.00	105.86	84.46	1760	1760	480.21	761.62	1044.36	
								1599
98.00	107.46	86.06	1756	1757	479.54	761.36	1044.55	
								1599
100.00	109.06	87.66	1753	1754	478.85	761.04	1044.67	
								1599
102.00	110.65	89.25	1750	1751	478.13	760.69	1044.72	
								1599
104.00	112.25	90.85	1747	1748	477.38	760.28	1044.72	
								1599
106.00	113.85	92.45	1744	1746	476.61	759.84	1044.66	
								1599
108.00	115.45	94.05	1742	1743	475.81	759.35	1044.54	
								1599
110.00	117.05	95.65	1739	1740	475.00	758.83	1044.37	
								1599
112.00	118.65	97.25	1737	1738	474.16	758.28	1044.16	
								1599
114.00	120.25	98.85	1734	1736	473.31	757.69	1043.90	
								1599
116.00	121.85	100.45	1732	1733	472.43	757.07	1043.59	
								1599
118.00	123.45	102.05	1730	1731	471.54	756.42	1043.24	
								1599
120.00	125.05	103.65	1727	1729	470.64	755.74	1042.85	
								1599
122.00	126.65	105.25	1725	1727	469.72	755.04	1042.42	
								1599
124.00	128.25	106.85	1723	1725	468.79	754.30	1041.96	
								1599
126.00	129.85	108.45	1721	1723	467.84	753.55	1041.46	
								1599
128.00	131.45	110.05	1719	1721	466.88	752.77	1040.92	
								1599
130.00	133.05	111.65	1718	1720	465.91	751.97	1040.36	
								1599
132.00	134.65	113.25	1716	1718	464.93	751.15	1039.77	
								1599
134.00	136.25	114.85	1714	1716	463.94	750.31	1039.14	
								1599
136.00	137.84	116.44	1712	1714	462.94	749.45	1038.49	
								1599
138.00	139.44	118.04	1711	1713	461.93	748.57	1037.82	
								1599
140.00	141.04	119.64	1709	1711	460.92	747.68	1037.11	
								1599
142.00	142.64	121.24	1708	1710	459.89	746.77	1036.39	

457067

TWO-WAY TRAVEL TIME FROM SRD MS	MEASURED DEPTH FROM KB M	VERTICAL DEPTH FROM SRD M	AVERAGE VELOCITY SRD/GEO M/S	RMS VELOCITY M/S	FIRST NORMAL MOVEOUT MS	SECOND NORMAL MOVEOUT MS	THIRD NORMAL MOVEOUT MS	INTERVAL VELOCITY M/S
144.00	144.24	122.84	1706	1708	458.86	745.84	1035.64	1599
146.00	145.84	124.44	1705	1707	457.82	744.90	1034.87	1599
148.00	147.44	126.04	1703	1705	456.77	743.94	1034.07	1599
150.00	149.04	127.64	1702	1704	455.72	742.97	1033.26	1599
152.00	150.64	129.24	1701	1703	454.67	741.99	1032.43	1599
154.00	152.24	130.84	1699	1701	453.61	741.00	1031.57	1599
156.00	153.84	132.44	1698	1700	452.54	739.99	1030.71	1599
158.00	155.44	134.04	1697	1699	451.47	738.97	1029.82	1599
160.00	157.04	135.64	1695	1698	450.39	737.95	1028.92	1599
162.00	158.64	137.24	1694	1696	449.32	736.91	1028.00	1599
164.00	160.24	138.84	1693	1695	448.23	735.86	1027.06	1599
166.00	161.84	140.44	1692	1694	447.15	734.80	1026.11	1599
168.00	163.44	142.04	1691	1693	446.06	733.74	1025.15	1599
170.00	165.04	143.64	1690	1692	444.97	732.66	1024.18	1599
172.00	166.63	145.23	1689	1691	443.88	731.58	1023.19	1599
174.00	168.23	146.83	1688	1690	442.78	730.49	1022.19	1599
176.00	169.83	148.43	1687	1689	441.69	729.39	1021.17	1599
178.00	171.43	150.03	1686	1688	440.59	728.29	1020.15	1599
180.00	173.03	151.63	1685	1687	439.49	727.18	1019.11	1599
182.00	174.63	153.23	1684	1686	438.39	726.06	1018.06	1599
184.00	176.23	154.83	1683	1685	437.29	724.94	1017.01	1599
186.00	177.83	156.43	1682	1684	436.18	723.81	1015.94	1599
188.00	179.43	158.03	1681	1683	435.08	722.68	1014.87	1599
190.00	181.03	159.63	1680	1683	433.98	721.54	1013.78	1599

457068

TWO-WAY TRAVEL TIME FROM SRD MS	MEASURED DEPTH FROM KB M	VERTICAL DEPTH FROM SRD M	AVERAGE VELOCITY SRD/GEO M/S	RMS VELOCITY M/S	FIRST NORMAL MOVEOUT MS	SECOND NORMAL MOVEOUT MS	THIRD NORMAL MOVEOUT MS	INTERVAL VELOCITY M/S
192.00	182.63	161.23	1679	1682	432.87	720.40	1012.69	1599
194.00	184.23	162.83	1679	1681	431.77	719.25	1011.59	1599
196.00	185.83	164.43	1678	1680	430.66	718.10	1010.48	1599
198.00	187.43	166.03	1677	1679	429.56	716.94	1009.36	1599
200.00	189.03	167.63	1676	1678	428.46	715.78	1008.23	1599
202.00	190.63	169.23	1676	1678	427.35	714.62	1007.10	1599
204.00	192.23	170.83	1675	1677	426.25	713.45	1005.96	1599
206.00	193.83	172.42	1674	1676	425.15	712.28	1004.82	1599
208.00	195.42	174.02	1673	1675	424.04	711.10	1003.66	1599
210.00	197.02	175.62	1673	1675	422.94	709.93	1002.51	1599
212.00	198.62	177.22	1672	1674	421.84	708.75	1001.34	1599
214.00	200.38	178.98	1673	1675	420.27	706.82	999.17	1752
216.00	202.65	181.25	1678	1681	416.77	701.92	992.98	2272
218.00	204.92	183.52	1684	1688	413.35	697.13	986.93	2272
220.00	207.19	185.79	1689	1694	410.01	692.44	981.01	2272
222.00	209.46	188.06	1694	1700	406.73	687.85	975.23	2272
224.00	211.74	190.34	1699	1706	403.52	683.35	969.56	2272
226.00	214.01	192.61	1704	1712	400.37	678.95	964.02	2272
228.00	216.28	194.88	1709	1718	397.29	674.63	958.59	2272
230.00	218.55	197.15	1714	1723	394.26	670.39	953.26	2272
232.00	220.82	199.42	1719	1729	391.29	666.24	948.05	2272
234.00	223.10	201.70	1724	1734	388.38	662.17	942.93	2272
236.00	225.37	203.97	1729	1739	385.52	658.17	937.91	2272
238.00	227.64	206.24	1733	1744	382.71	654.24	932.99	2272

457069

TWO-WAY TRAVEL TIME FROM SRD MS	MEASURED DEPTH FROM KB M	VERTICAL DEPTH FROM SRD M	AVERAGE VELOCITY SRD/GEO M/S	RMS VELOCITY M/S	FIRST NORMAL MOVEOUT MS	SECOND NORMAL MOVEOUT MS	THIRD NORMAL MOVEOUT MS	INTERVAL VELOCITY M/S
								2272
240.00	229.91	208.51	1738	1749	379.96	650.38	928.15	
								2272
242.00	232.19	210.79	1742	1754	377.24	646.59	923.40	
								2272
244.00	234.46	213.06	1746	1759	374.58	642.86	918.74	
								2272
246.00	236.73	215.33	1751	1764	371.96	639.20	914.15	
								2272
248.00	239.00	217.60	1755	1769	369.39	635.60	909.65	
								2272
250.00	241.27	219.87	1759	1773	366.85	632.05	905.22	
								2272
252.00	243.55	222.15	1763	1778	364.36	628.56	900.86	
								2272
254.00	245.82	224.42	1767	1782	361.91	625.13	896.57	
								2272
256.00	248.09	226.69	1771	1787	359.49	621.75	892.35	
								2272
258.00	250.36	228.96	1775	1791	357.11	618.42	888.20	
								2272
260.00	252.64	231.24	1779	1795	354.77	615.14	884.11	
								2272
262.00	254.91	233.51	1783	1799	352.47	611.91	880.08	
								2272
264.00	257.18	235.78	1786	1803	350.19	608.73	876.11	
								2272
266.00	259.45	238.05	1790	1807	347.96	605.59	872.20	
								2272
268.00	261.72	240.32	1793	1811	345.75	602.50	868.35	
								2272
270.00	264.00	242.60	1797	1815	343.57	599.45	864.55	
								2272
272.00	266.27	244.87	1801	1819	341.43	596.44	860.80	
								2272
274.00	268.54	247.14	1804	1822	339.32	593.47	857.10	
								2272
276.00	270.81	249.41	1807	1826	337.23	590.54	853.46	
								2272
278.00	273.09	251.69	1811	1830	335.17	587.65	849.86	
								2272
280.00	275.36	253.96	1814	1833	333.14	584.80	846.31	
								2272
282.00	277.63	256.23	1817	1837	331.14	581.98	842.81	
								2272
284.00	279.90	258.50	1820	1840	329.16	579.20	839.35	
								2272
286.00	282.17	260.77	1824	1844	327.21	576.45	835.94	

457070

TWO-WAY TRAVEL TIME FROM SRD MS	MEASURED DEPTH FROM KB M	VERTICAL DEPTH FROM SRD M	AVERAGE VELOCITY SRD/GEO M/S	RMS VELOCITY M/S	FIRST NORMAL MOVEOUT MS	SECOND NORMAL MOVEOUT MS	THIRD NORMAL MOVEOUT MS	INTERVAL VELOCITY M/S
288.00	284.45	263.05	1827	1847	325.29	573.74	832.56	2272
290.00	286.72	265.32	1830	1850	323.39	571.06	829.23	2272
292.00	288.99	267.59	1833	1853	321.51	568.41	825.94	2272
294.00	291.26	269.86	1836	1857	319.66	565.79	822.69	2272
296.00	293.53	272.13	1839	1860	317.82	563.21	819.47	2272
298.00	295.81	274.41	1842	1863	316.02	560.65	816.29	2272
300.00	298.08	276.68	1845	1866	314.23	558.12	813.15	2272
302.00	300.35	278.95	1847	1869	312.46	555.62	810.05	2272
304.00	302.62	281.22	1850	1872	310.72	553.15	806.97	2272
306.00	304.90	283.50	1853	1875	308.99	550.70	803.94	2272
308.00	307.17	285.77	1856	1877	307.29	548.29	800.93	2272
310.00	309.44	288.04	1858	1880	305.60	545.89	797.96	2272
312.00	311.71	290.31	1861	1883	303.94	543.53	795.02	2272
314.00	313.98	292.58	1864	1886	302.29	541.18	792.11	2272
316.00	316.26	294.86	1866	1888	300.66	538.86	789.22	2272
318.00	318.53	297.13	1869	1891	299.05	536.57	786.37	2272
320.00	320.80	299.40	1871	1894	297.46	534.30	783.55	2272
322.00	323.07	301.67	1874	1896	295.88	532.05	780.76	2272
324.00	325.35	303.95	1876	1899	294.33	529.82	777.99	2272
326.00	327.62	306.22	1879	1901	292.78	527.62	775.25	2272
328.00	329.89	308.49	1881	1904	291.26	525.44	772.53	2272
330.00	332.16	310.76	1883	1906	289.75	523.27	769.84	2272
332.00	334.43	313.03	1886	1909	288.26	521.13	767.18	2272
334.00	336.71	315.31	1888	1911	286.78	519.01	764.54	2272

457071

TWO-WAY TRAVEL TIME FROM SRD MS	MEASURED DEPTH FROM KB M	VERTICAL DEPTH FROM SRD M	AVERAGE VELOCITY SRD/GEO M/S	RMS VELOCITY M/S	FIRST NORMAL MOVEOUT MS	SECOND NORMAL MOVEOUT MS	THIRD NORMAL MOVEOUT MS	INTERVAL VELOCITY M/S
336,00	338,98	317,58	1890	1913	285,32	516,91	761,93	2272
338,00	341,25	319,85	1893	1916	283,87	514,83	759,34	2272
340,00	343,52	322,12	1895	1918	282,43	512,76	756,77	2272
342,00	345,80	324,40	1897	1920	281,02	510,72	754,22	2272
344,00	348,07	326,67	1899	1923	279,61	508,69	751,70	2272
346,00	350,34	328,94	1901	1925	278,22	506,69	749,20	2272
348,00	352,61	331,21	1904	1927	276,85	504,70	746,72	2272
350,00	354,88	333,48	1906	1929	275,48	502,72	744,26	2272
352,00	357,16	335,76	1908	1931	274,13	500,77	741,83	2272
354,00	359,43	338,03	1910	1933	272,80	498,83	739,41	2272
356,00	361,70	340,30	1912	1935	271,47	496,91	737,01	2272
358,00	363,97	342,57	1914	1937	270,16	495,00	734,63	2272
360,00	366,25	344,85	1916	1939	268,86	493,11	732,28	2272
362,00	368,52	347,12	1918	1941	267,57	491,24	729,94	2272
364,00	370,79	349,39	1920	1943	266,30	489,38	727,62	2272
366,00	373,06	351,66	1922	1945	265,04	487,54	725,31	2272
368,00	375,33	353,93	1924	1947	263,79	485,71	723,03	2272
370,00	377,61	356,21	1925	1949	262,55	483,89	720,76	2272
372,00	379,88	358,48	1927	1951	261,32	482,10	718,51	2272
374,00	382,15	360,75	1929	1953	260,10	480,31	716,28	2272
376,00	384,42	363,02	1931	1955	258,90	478,54	714,07	2272
378,00	386,69	365,29	1933	1957	257,70	476,78	711,87	2272
380,00	388,97	367,57	1935	1958	256,52	475,04	709,68	2272
382,00	391,24	369,84	1936	1960	255,34	473,31	707,52	2272

457072

TWO-WAY TRAVEL TIME FROM SRD MS	MEASURED DEPTH FROM KB M	VERTICAL DEPTH FROM SRD M	AVERAGE VELOCITY SRD/GEO M/S	RMS VELOCITY M/S	FIRST NORMAL MOVEOUT MS	SECOND NORMAL MOVEOUT MS	THIRD NORMAL MOVEOUT MS	INTERVAL VELOCITY M/S
384,00	393,51	372,11	1938	1962	254,18	471,59	705,37	2272
386,00	395,78	374,38	1940	1964	253,03	469,89	703,23	2272
388,00	398,06	376,66	1942	1965	251,88	468,20	701,11	2272
390,00	400,36	378,96	1943	1967	250,71	466,46	698,92	2302
392,00	402,81	381,41	1946	1970	249,36	464,41	696,30	2454
394,00	405,27	383,87	1949	1973	248,03	462,39	693,70	2454
396,00	407,72	386,32	1951	1975	246,70	460,38	691,12	2454
398,00	410,17	388,77	1954	1978	245,40	458,39	688,57	2454
400,00	412,61	391,21	1956	1981	244,13	456,46	686,10	2434
402,00	415,03	393,63	1958	1983	242,89	454,58	683,68	2421
404,00	417,46	396,06	1961	1986	241,64	452,68	681,25	2434
406,00	419,87	398,47	1963	1988	240,45	450,86	678,92	2406
408,00	422,26	400,86	1965	1990	239,27	449,08	676,64	2395
410,00	424,66	403,26	1967	1992	238,11	447,31	674,38	2397
412,00	427,16	405,76	1970	1995	236,84	445,35	671,84	2499
414,00	429,60	408,20	1972	1997	235,64	443,51	669,49	2445
416,00	431,99	410,59	1974	2000	234,52	441,81	667,30	2386
418,00	434,36	412,96	1976	2001	233,43	440,15	665,19	2368
420,00	436,76	415,36	1978	2004	232,32	438,45	663,01	2397
422,00	439,22	417,82	1980	2006	231,15	436,64	660,68	2461
424,00	441,70	420,30	1983	2008	229,97	434,81	658,30	2486
426,00	444,15	422,75	1985	2011	228,84	433,07	656,05	2445
428,00	446,56	425,16	1987	2013	227,76	431,39	653,90	2414
430,00	448,97	427,57	1989	2015	226,68	429,74	651,77	2411

457073

TWO-WAY TRAVEL TIME FROM SRD MS	MEASURED DEPTH FROM KB M	VERTICAL DEPTH FROM SRD M	AVERAGE VELOCITY SRD/GEO M/S	RMS VELOCITY M/S	FIRST NORMAL MOVEOUT MS	SECOND NORMAL MOVEOUT MS	THIRD NORMAL MOVEOUT MS	INTERVAL VELOCITY M/S
432,00	451,34	429,94	1990	2017	225,67	428,18	649,77	2367
434,00	453,82	432,42	1993	2019	224,54	426,42	647,49	2484
436,00	456,46	435,06	1996	2022	223,26	424,39	644,82	2640
438,00	459,11	437,71	1999	2026	221,97	422,36	642,15	2651
440,00	461,77	440,37	2002	2029	220,70	420,34	639,50	2655
442,00	464,55	443,15	2005	2033	219,31	418,10	636,52	2784
444,00	467,24	445,84	2008	2036	218,03	416,08	633,84	2685
446,00	470,00	448,60	2012	2040	216,69	413,93	630,99	2762
448,00	472,69	451,29	2015	2044	215,44	411,93	628,35	2693
450,00	475,43	454,03	2018	2047	214,17	409,88	625,63	2733
452,00	478,20	456,80	2021	2051	212,86	407,78	622,83	2772
454,00	480,96	459,56	2024	2055	211,59	405,73	620,11	2758
456,00	483,78	462,38	2028	2059	210,27	403,59	617,25	2820
458,00	486,49	465,09	2031	2062	209,08	401,67	614,70	2710
460,00	489,24	467,84	2034	2065	207,86	399,70	612,07	2751
462,00	492,02	470,62	2037	2069	206,62	397,69	609,40	2781
464,00	494,81	473,41	2041	2073	205,40	395,70	606,73	2787
466,00	497,58	476,18	2044	2076	204,19	393,74	604,12	2778
468,00	500,30	478,90	2047	2079	203,06	391,91	601,68	2715
470,00	502,95	481,55	2049	2082	202,00	390,20	599,41	2653
472,00	505,60	484,20	2052	2085	200,95	388,51	597,17	2645
474,00	508,30	486,90	2054	2088	199,87	386,75	594,83	2700
476,00	511,07	489,67	2057	2091	198,74	384,89	592,34	2774
478,00	513,86	492,46	2060	2094	197,60	383,03	589,84	2789

457074

TWO-WAY TRAVEL TIME FROM SRD MS	MEASURED DEPTH FROM KB M	VERTICAL DEPTH FROM SRD M	AVERAGE VELOCITY SRD/GEO M/S	RMS VELOCITY M/S	FIRST NORMAL MOVEOUT MS	SECOND NORMAL MOVEOUT MS	THIRD NORMAL MOVEOUT MS	INTERVAL VELOCITY M/S
								2816
480.00	516.68	495.28	2064	2098	196.45	381.14	587.31	
								2711
482.00	519.39	497.99	2066	2101	195.41	379.44	585.03	
								2687
484.00	522.07	500.67	2069	2104	194.39	377.78	582.82	
								2505
486.00	524.58	503.18	2071	2105	193.54	376.40	581.00	
								2706
488.00	527.28	505.88	2073	2108	192.53	374.75	578.79	
								2518
490.00	529.80	508.40	2075	2110	191.68	373.37	576.97	
								2529
492.00	532.33	510.93	2077	2112	190.82	371.99	575.15	
								2394
494.00	534.73	513.33	2078	2113	190.08	370.80	573.59	
								2353
496.00	537.08	515.68	2079	2114	189.37	369.66	572.11	
								2181
498.00	539.26	517.86	2080	2115	188.77	368.73	570.93	
								2464
500.00	541.72	520.32	2081	2116	187.99	367.47	569.27	
								2556
502.00	544.28	522.88	2083	2118	187.15	366.09	567.44	
								2493
504.00	546.77	525.37	2085	2120	186.36	364.81	565.75	
								2511
506.00	549.28	527.88	2086	2121	185.57	363.51	564.03	
								2597
508.00	551.88	530.48	2089	2123	184.72	362.12	562.16	
								2566
510.00	554.45	533.05	2090	2125	183.90	360.77	560.36	
								2523
512.00	556.97	535.57	2092	2127	183.12	359.49	558.66	
								2703
514.00	559.67	538.27	2094	2130	182.21	357.98	556.63	
								2653
516.00	562.33	540.93	2097	2132	181.35	356.55	554.71	
								2703
518.00	565.03	543.63	2099	2134	180.46	355.08	552.72	
								2671
520.00	567.70	546.30	2101	2137	179.61	353.65	550.79	
								2653
522.00	570.35	548.95	2103	2139	178.77	352.26	548.92	
								2629
524.00	572.98	551.58	2105	2141	177.96	350.91	547.10	
								2618
526.00	575.60	554.20	2107	2143	177.16	349.58	545.32	

457075

TWO-WAY TRAVEL TIME FROM SRD MS	MEASURED DEPTH FROM KB M	VERTICAL DEPTH FROM SRD M	AVERAGE VELOCITY SRD/GEO M/S	RMS VELOCITY M/S	FIRST NORMAL MOVEOUT MS	SECOND NORMAL MOVEOUT MS	THIRD NORMAL MOVEOUT MS	INTERVAL VELOCITY M/S
								2642
528,00	578,24	556,84	2109	2145	176,36	348,23	543,50	
								2647
530,00	580,89	559,49	2111	2147	175,55	346,89	541,69	
								2710
532,00	583,60	562,20	2114	2150	174,72	345,48	539,78	
								2725
534,00	586,32	564,92	2116	2152	173,88	344,07	537,86	
								2762
536,00	589,09	567,69	2118	2155	173,02	342,62	535,89	
								2784
538,00	591,87	570,47	2121	2157	172,16	341,16	533,89	
								2761
540,00	594,63	573,23	2123	2160	171,32	339,73	531,95	
								2747
542,00	597,38	575,98	2125	2162	170,49	338,34	530,05	
								2751
544,00	600,13	578,73	2128	2165	169,68	336,95	528,16	
								2677
546,00	602,81	581,41	2130	2167	168,91	335,66	526,40	
								2677
548,00	605,48	584,08	2132	2169	168,16	334,38	524,66	
								2757
550,00	608,24	586,84	2134	2171	167,36	333,02	522,80	
								2756
552,00	611,00	589,60	2136	2174	166,57	331,67	520,96	
								2767
554,00	613,76	592,36	2138	2176	165,77	330,32	519,11	
								2774
556,00	616,54	595,14	2141	2179	164,99	328,98	517,26	
								2721
558,00	619,26	597,86	2143	2181	164,24	327,70	515,51	
								2780
560,00	622,04	600,64	2145	2183	163,46	326,36	513,68	
								2758
562,00	624,80	603,40	2147	2186	162,70	325,07	511,90	
								2833
564,00	627,63	606,23	2150	2188	161,91	323,70	510,01	
								2833
566,00	630,46	609,06	2152	2191	161,12	322,34	508,13	
								2774
568,00	633,24	611,84	2154	2193	160,38	321,05	506,36	
								2739
570,00	635,98	614,58	2156	2195	159,66	319,82	504,66	
								2732
572,00	638,71	617,31	2158	2197	158,95	318,60	502,99	
								2697
574,00	641,40	620,00	2160	2199	158,27	317,43	501,38	

457076

TWO-WAY TRAVEL TIME FROM SRD MS	MEASURED DEPTH FROM KB M	VERTICAL DEPTH FROM SRD M	AVERAGE VELOCITY SRD/GEO M/S	RMS VELOCITY M/S	FIRST NORMAL MOVEOUT MS	SECOND NORMAL MOVEOUT MS	THIRD NORMAL MOVEOUT MS	INTERVAL VELOCITY M/S
576.00	644.14	622.74	2162	2201	157.57	316.22	499.72	2733
578.00	646.89	625.49	2164	2204	156.87	315.01	498.05	2750
580.00	649.62	628.22	2166	2206	156.18	313.82	496.41	2737
582.00	652.40	631.00	2168	2208	155.48	312.61	494.73	2774
584.00	655.25	633.85	2171	2210	154.74	311.32	492.94	2853
586.00	658.13	636.73	2173	2213	154.00	310.02	491.13	2875
588.00	660.94	639.54	2175	2215	153.30	308.79	489.43	2813
590.00	663.72	642.32	2177	2217	152.62	307.61	487.78	2784
592.00	666.52	645.12	2179	2220	151.93	306.41	486.12	2799
594.00	669.38	647.98	2182	2222	151.22	305.17	484.38	2861
596.00	672.24	650.84	2184	2225	150.52	303.94	482.67	2857
598.00	675.06	653.66	2186	2227	149.84	302.75	481.01	2819
600.00	677.84	656.44	2188	2229	149.19	301.61	479.43	2781
602.00	680.54	659.14	2190	2231	148.59	300.56	477.97	2697
604.00	683.21	661.81	2191	2232	148.00	299.53	476.55	2673
606.00	685.87	664.47	2193	2234	147.43	298.53	475.15	2660
608.00	688.52	667.12	2194	2235	146.86	297.53	473.78	2651
610.00	691.18	669.78	2196	2237	146.29	296.54	472.40	2660
612.00	693.87	672.47	2198	2238	145.71	295.53	471.00	2684
614.00	696.55	675.15	2199	2240	145.14	294.53	469.61	2682
616.00	699.17	677.77	2201	2241	144.60	293.58	468.30	2625
618.00	701.72	680.32	2202	2242	144.10	292.71	467.09	2544
620.00	704.29	682.89	2203	2244	143.59	291.82	465.86	2569
622.00	706.75	685.35	2204	2244	143.13	291.02	464.77	2462

TWO-WAY TRAVEL TIME FROM SRD MS	MEASURED DEPTH FROM KB M	VERTICAL DEPTH FROM SRD M	AVERAGE VELOCITY SRD/GEO M/S	RMS VELOCITY M/S	FIRST NORMAL MOVEOUT MS	SECOND NORMAL MOVEOUT MS	THIRD NORMAL MOVEOUT MS	INTERVAL VELOCITY M/S
624.00	709.42	688.02	2205	2246	142.59	290.06	463.43	2671
626.00	712.03	690.63	2206	2247	142.07	289.16	462.17	2606
628.00	714.59	693.19	2208	2248	141.58	288.30	460.98	2560
630.00	717.11	695.71	2209	2249	141.11	287.46	459.83	2528
632.00	719.68	698.28	2210	2250	140.62	286.61	458.65	2562
634.00	722.26	700.86	2211	2251	140.13	285.75	457.44	2583
636.00	724.76	703.36	2212	2252	139.68	284.95	456.34	2497
638.00	727.21	705.81	2213	2253	139.25	284.20	455.30	2450
640.00	729.67	708.27	2213	2253	138.81	283.43	454.25	2463
642.00	732.13	710.73	2214	2254	138.38	282.68	453.21	2456
644.00	734.56	713.16	2215	2255	137.96	281.95	452.20	2432
646.00	737.02	715.62	2216	2255	137.54	281.20	451.17	2459
648.00	739.47	718.07	2216	2256	137.12	280.46	450.14	2456
650.00	742.06	720.66	2217	2257	136.64	279.62	448.97	2590
652.00	744.57	723.17	2218	2258	136.21	278.85	447.90	2504
654.00	747.07	725.67	2219	2259	135.78	278.09	446.85	2499
656.00	749.56	728.16	2220	2259	135.36	277.34	445.80	2490
658.00	751.96	730.56	2221	2260	134.96	276.65	444.85	2405
660.00	754.39	732.99	2221	2260	134.57	275.95	443.88	2429
662.00	756.88	735.48	2222	2261	134.15	275.21	442.85	2489
664.00	759.26	737.86	2222	2261	133.77	274.55	441.93	2378
666.00	761.61	740.21	2223	2262	133.41	273.91	441.05	2350
668.00	763.95	742.55	2223	2262	133.05	273.28	440.18	2341
670.00	766.43	745.03	2224	2263	132.64	272.56	439.17	2485

457078

TWO-WAY TRAVEL TIME FROM SRD MS	MEASURED DEPTH FROM KB M	VERTICAL DEPTH FROM SRD M	AVERAGE VELOCITY SRD/GEO M/S	RMS VELOCITY M/S	FIRST NORMAL MOVEOUT MS	SECOND NORMAL MOVEOUT MS	THIRD NORMAL MOVEOUT MS	INTERVAL VELOCITY M/S
								2358
672,00	768,79	747,39	2224	2263	132,28	271,92	438,29	
								2449
674,00	771,24	749,84	2225	2263	131,89	271,23	437,32	
								2348
676,00	773,59	752,19	2225	2264	131,54	270,60	436,46	
								2354
678,00	775,94	754,54	2226	2264	131,19	269,98	435,59	
								2351
680,00	778,29	756,89	2226	2264	130,84	269,35	434,73	
								2385
682,00	780,68	759,28	2227	2265	130,47	268,71	433,84	
								2465
684,00	783,14	761,74	2227	2265	130,09	268,02	432,87	
								2480
686,00	785,62	764,22	2228	2266	129,70	267,33	431,90	
								2493
688,00	788,11	766,71	2229	2267	129,31	266,63	430,91	
								2455
690,00	790,57	769,17	2229	2267	128,94	265,96	429,97	
								2408
692,00	792,98	771,58	2230	2268	128,58	265,32	429,07	
								2326
694,00	795,30	773,90	2230	2268	128,25	264,73	428,25	
								2491
696,00	797,80	776,40	2231	2268	127,87	264,04	427,29	
								2448
698,00	800,24	778,84	2232	2269	127,50	263,39	426,36	
								2449
700,00	802,69	781,29	2232	2269	127,14	262,73	425,44	
								2351
702,00	805,04	783,64	2233	2270	126,81	262,14	424,62	
								2494
704,00	807,54	786,14	2233	2270	126,43	261,46	423,66	
								2440
706,00	809,98	788,58	2234	2271	126,08	260,82	422,76	
								2432
708,00	812,41	791,01	2234	2271	125,73	260,19	421,87	
								2447
710,00	814,86	793,46	2235	2272	125,37	259,55	420,97	
								2418
712,00	817,28	795,88	2236	2272	125,03	258,93	420,10	
								2440
714,00	819,72	798,32	2236	2273	124,68	258,31	419,21	
								2185
716,00	821,90	800,50	2236	2273	124,41	257,82	418,54	
								2374
718,00	824,27	802,87	2236	2273	124,09	257,24	417,72	

457079

TWO-WAY TRAVEL TIME FROM SRD MS	MEASURED DEPTH FROM KB M	VERTICAL DEPTH FROM SRD M	AVERAGE VELOCITY SRD/GEO M/S	RMS VELOCITY M/S	FIRST NORMAL MOVEOUT MS	SECOND NORMAL MOVEOUT MS	THIRD NORMAL MOVEOUT MS	INTERVAL VELOCITY M/S
720.00	826.47	805.07	2236	2273	123.81	256.75	417.05	2196
722.00	828.57	807.17	2236	2272	123.57	256.32	416.45	2104
724.00	830.87	809.47	2236	2272	123.27	255.78	415.70	2300
726.00	833.04	811.64	2236	2272	123.00	255.31	415.06	2165
728.00	835.29	813.89	2236	2272	122.72	254.80	414.35	2251
730.00	837.75	816.35	2237	2272	122.38	254.18	413.46	2458
732.00	840.19	818.79	2237	2273	122.05	253.58	412.60	2440
734.00	842.50	821.10	2237	2273	121.75	253.04	411.85	2312
736.00	844.78	823.38	2237	2273	121.46	252.53	411.12	2280
738.00	846.73	825.33	2237	2272	121.26	252.17	410.65	1955
740.00	848.74	827.34	2236	2272	121.05	251.79	410.14	2003
742.00	850.95	829.55	2236	2271	120.78	251.32	409.47	2215
744.00	853.18	831.78	2236	2271	120.51	250.83	408.79	2228
746.00	855.46	834.06	2236	2271	120.23	250.33	408.08	2276
748.00	857.98	836.58	2237	2272	119.89	249.69	407.16	2527
750.00	860.43	839.03	2237	2272	119.56	249.10	406.32	2441
752.00	862.69	841.29	2237	2272	119.29	248.61	405.63	2261
754.00	865.23	843.83	2238	2273	118.95	247.97	404.70	2541
756.00	867.51	846.11	2238	2273	118.67	247.46	404.00	2288
758.00	869.92	848.52	2239	2274	118.37	246.91	403.20	2403
760.00	872.48	851.08	2240	2274	118.02	246.26	402.27	2559
762.00	874.99	853.59	2240	2275	117.69	245.65	401.39	2509
764.00	877.37	855.97	2241	2275	117.39	245.11	400.61	2386
766.00	879.74	858.34	2241	2276	117.10	244.58	399.86	2366

457080

TWO-WAY TRAVEL TIME FROM SRD MS	MEASURED DEPTH FROM KB M	VERTICAL DEPTH FROM SRD M	AVERAGE VELOCITY SRD/GEO M/S	RMS VELOCITY M/S	FIRST NORMAL MOVEOUT MS	SECOND NORMAL MOVEOUT MS	THIRD NORMAL MOVEOUT MS	INTERVAL VELOCITY M/S
								2253
768.00	881.99	860.59	2241	2276	116.84	244.11	399.19	
								2587
770.00	884.58	863.18	2242	2276	116.50	243.46	398.25	
								2455
772.00	887.03	865.63	2243	2277	116.19	242.89	397.43	
								2314
774.00	889.35	867.95	2243	2277	115.92	242.40	396.73	
								2308
776.00	891.66	870.26	2243	2277	115.65	241.90	396.03	
								2469
778.00	894.12	872.72	2244	2278	115.34	241.33	395.20	
								2523
780.00	896.65	875.25	2244	2278	115.02	240.74	394.34	
								2351
782.00	899.00	877.60	2244	2278	114.75	240.23	393.61	
								2335
784.00	901.33	879.93	2245	2279	114.48	239.73	392.90	
								2301
786.00	903.64	882.24	2245	2279	114.22	239.26	392.22	
								2244
788.00	905.88	884.48	2245	2279	113.98	238.81	391.58	
								2290
790.00	908.17	886.77	2245	2279	113.72	238.34	390.91	
								2318
792.00	910.49	889.09	2245	2279	113.46	237.86	390.22	
								2227
794.00	912.71	891.31	2245	2279	113.22	237.42	389.60	
								2255
796.00	914.97	893.57	2245	2278	112.98	236.97	388.96	
								2311
798.00	917.28	895.88	2245	2279	112.72	236.50	388.28	
								2311
800.00	919.59	898.19	2245	2279	112.47	236.02	387.60	
								2180
802.00	921.77	900.37	2245	2278	112.24	235.61	387.02	
								2234
804.00	924.01	902.61	2245	2278	112.01	235.18	386.40	
								2274
806.00	926.28	904.88	2245	2278	111.77	234.73	385.75	
								2267
808.00	928.55	907.15	2245	2278	111.53	234.28	385.11	
								2374
810.00	930.92	909.52	2246	2278	111.26	233.79	384.40	
								2674
812.00	933.60	912.20	2247	2280	110.92	233.15	383.46	
								2727
814.00	936.32	914.92	2248	2281	110.57	232.49	382.48	

457081

TWO-WAY TRAVEL TIME FROM SRD MS	MEASURED DEPTH FROM KB M	VERTICAL DEPTH FROM SRD M	AVERAGE VELOCITY SRD/GEO M/S	RMS VELOCITY M/S	FIRST NORMAL MOVEOUT MS	SECOND NORMAL MOVEOUT MS	THIRD NORMAL MOVEOUT MS	INTERVAL VELOCITY M/S
816.00	938.92	917.52	2249	2282	110.26	231.89	381.60	2600
818.00	941.48	920.08	2250	2282	109.96	231.32	380.76	2559
820.00	943.95	922.55	2250	2283	109.68	230.79	379.99	2472
822.00	946.41	925.01	2251	2283	109.40	230.28	379.24	2453
824.00	949.11	927.71	2252	2284	109.07	229.64	378.30	2708
826.00	951.70	930.30	2253	2285	108.76	229.07	377.45	2582
828.00	954.30	932.90	2253	2286	108.46	228.49	376.60	2606
830.00	957.00	935.60	2254	2287	108.13	227.86	375.67	2696
832.00	959.55	938.15	2255	2288	107.84	227.31	374.86	2553
834.00	961.95	940.55	2256	2288	107.59	226.83	374.17	2400
836.00	964.32	942.92	2256	2288	107.34	226.37	373.49	2369
838.00	966.66	945.26	2256	2288	107.10	225.92	372.84	2341
840.00	968.99	947.59	2256	2288	106.87	225.49	372.20	2323
842.00	971.28	949.88	2256	2288	106.64	225.06	371.59	2289
844.00	973.60	952.20	2256	2288	106.41	224.63	370.95	2326
846.00	975.90	954.50	2256	2288	106.19	224.20	370.34	2293
848.00	978.26	956.86	2257	2289	105.95	223.75	369.69	2362
850.00	980.70	959.30	2257	2289	105.69	223.27	368.97	2447
852.00	983.03	961.63	2257	2289	105.46	222.84	368.35	2325
854.00	985.23	963.83	2257	2289	105.26	222.46	367.79	2205
856.00	987.54	966.14	2257	2289	105.04	222.04	367.19	2302
858.00	989.88	968.48	2258	2289	104.81	221.61	366.55	2340
860.00	992.40	971.00	2258	2290	104.55	221.10	365.80	2521
862.00	994.81	973.41	2258	2290	104.30	220.64	365.12	2414

457082

TWO-WAY TRAVEL TIME FROM SRD MS	MEASURED DEPTH FROM KB M	VERTICAL DEPTH FROM SRD M	AVERAGE VELOCITY SRD/GEO M/S	RMS VELOCITY M/S	FIRST NORMAL MOVEOUT MS	SECOND NORMAL MOVEOUT MS	THIRD NORMAL MOVEOUT MS	INTERVAL VELOCITY M/S
								2282
864.00	997.09	975.69	2259	2290	104.09	220.24	364.54	
								2692
866.00	999.79	978.39	2260	2291	103.79	219.66	363.67	
								2713
868.00	1002.50	981.10	2261	2292	103.48	219.07	362.79	
								2313
870.00	1004.81	983.41	2261	2292	103.27	218.66	362.19	
								2385
872.00	1007.20	985.80	2261	2292	103.04	218.22	361.54	
								2417
874.00	1009.61	988.21	2261	2293	102.80	217.77	360.88	
								2424
876.00	1012.04	990.64	2262	2293	102.56	217.32	360.21	
								2344
878.00	1014.38	992.98	2262	2293	102.35	216.91	359.60	
								2535
880.00	1016.92	995.52	2263	2294	102.09	216.41	358.86	
								2321
882.00	1019.24	997.84	2263	2294	101.87	216.01	358.27	
								2260
884.00	1021.50	1000.10	2263	2294	101.67	215.63	357.71	
								2243
886.00	1023.74	1002.34	2263	2293	101.48	215.25	357.17	
								2292
888.00	1026.03	1004.63	2263	2293	101.27	214.86	356.59	
								2210
890.00	1028.24	1006.84	2263	2293	101.08	214.51	356.07	
								2205
892.00	1030.45	1009.05	2262	2293	100.90	214.15	355.55	
								2188
894.00	1032.64	1011.24	2262	2293	100.71	213.80	355.04	
								2255
896.00	1034.89	1013.49	2262	2293	100.52	213.43	354.50	
								2254
898.00	1037.15	1015.75	2262	2293	100.32	213.06	353.95	
								2254
900.00	1039.40	1018.00	2262	2293	100.13	212.69	353.41	
								2400
902.00	1041.80	1020.40	2263	2293	99.91	212.27	352.79	
								2297
904.00	1044.10	1022.70	2263	2293	99.71	211.89	352.22	
								2260
906.00	1046.36	1024.96	2263	2293	99.52	211.52	351.68	
								2317
908.00	1048.67	1027.27	2263	2293	99.32	211.14	351.11	
								2441
910.00	1051.11	1029.71	2263	2293	99.09	210.70	350.46	

457083

TWO-WAY TRAVEL TIME FROM SRD MS	MEASURED DEPTH FROM KB M	VERTICAL DEPTH FROM SRD M	AVERAGE VELOCITY SRD/GEO M/S	RMS VELOCITY M/S	FIRST NORMAL MOVEOUT MS	SECOND NORMAL MOVEOUT MS	THIRD NORMAL MOVEOUT MS	INTERVAL VELOCITY M/S
912.00	1053.59	1032.19	2264	2294	98.86	210.26	349.80	2474
914.00	1055.90	1034.50	2264	2294	98.66	209.88	349.23	2316
916.00	1058.31	1036.91	2264	2294	98.45	209.46	348.62	2404
918.00	1060.69	1039.29	2264	2294	98.24	209.06	348.01	2384
920.00	1063.07	1041.67	2264	2294	98.03	208.66	347.42	2374
922.00	1065.37	1043.97	2265	2294	97.84	208.29	346.86	2305
924.00	1067.78	1046.38	2265	2295	97.62	207.87	346.25	2411
926.00	1070.19	1048.79	2265	2295	97.41	207.47	345.64	2406
928.00	1072.46	1051.06	2265	2295	97.23	207.11	345.11	2271
930.00	1074.87	1053.47	2266	2295	97.02	206.70	344.50	2416
932.00	1077.22	1055.82	2266	2295	96.82	206.32	343.93	2341
934.00	1079.53	1058.13	2266	2295	96.63	205.95	343.39	2314
936.00	1081.93	1060.53	2266	2295	96.42	205.56	342.79	2396
938.00	1084.31	1062.91	2266	2296	96.22	205.17	342.21	2386
940.00	1086.65	1065.25	2266	2296	96.03	204.79	341.65	2343
942.00	1088.98	1067.58	2267	2296	95.84	204.42	341.10	2326
944.00	1091.53	1070.13	2267	2296	95.61	203.97	340.42	2553
946.00	1093.91	1072.51	2267	2296	95.41	203.59	339.84	2377
948.00	1096.20	1074.80	2268	2296	95.23	203.24	339.32	2291
950.00	1098.59	1077.19	2268	2297	95.03	202.85	338.74	2394
952.00	1100.70	1079.30	2267	2296	94.88	202.56	338.31	2103
954.00	1103.06	1081.66	2268	2296	94.69	202.19	337.75	2362
956.00	1105.32	1083.92	2268	2296	94.51	201.85	337.25	2260
958.00	1107.53	1086.13	2267	2296	94.35	201.54	336.78	2208

TWO-WAY TRAVEL TIME FROM SRD MS	MEASURED DEPTH FROM KB M	VERTICAL DEPTH FROM SRD M	AVERAGE VELOCITY SRD/GEO M/S	RMS VELOCITY M/S	FIRST NORMAL MOVEOUT MS	SECOND NORMAL MOVEOUT MS	THIRD NORMAL MOVEOUT MS	INTERVAL VELOCITY M/S
960.00	1109.76	1088.36	2267	2296	94.18	201.21	336.29	2233
962.00	1112.04	1090.64	2267	2296	94.00	200.87	335.78	2282
964.00	1114.34	1092.94	2268	2296	93.82	200.52	335.26	2295
966.00	1116.58	1095.18	2267	2296	93.66	200.20	334.78	2241
968.00	1118.95	1097.55	2268	2296	93.47	199.83	334.22	2377
970.00	1121.23	1099.83	2268	2296	93.29	199.49	333.72	2279
972.00	1123.53	1102.13	2268	2296	93.12	199.15	333.21	2294
974.00	1125.93	1104.53	2268	2296	92.93	198.78	332.64	2405
976.00	1128.37	1106.97	2268	2297	92.73	198.39	332.05	2441
978.00	1130.71	1109.31	2269	2297	92.55	198.04	331.53	2332
980.00	1133.06	1111.66	2269	2297	92.37	197.69	330.99	2350
982.00	1135.45	1114.05	2269	2297	92.18	197.32	330.44	2390
984.00	1137.81	1116.41	2269	2297	92.00	196.96	329.90	2368
986.00	1140.21	1118.81	2269	2297	91.81	196.60	329.35	2396
988.00	1142.65	1121.25	2270	2298	91.62	196.22	328.77	2438
990.00	1145.08	1123.68	2270	2298	91.43	195.85	328.21	2433
992.00	1147.39	1125.99	2270	2298	91.26	195.51	327.70	2309
994.00	1149.87	1128.47	2271	2298	91.06	195.12	327.11	2481
996.00	1152.22	1130.82	2271	2298	90.89	194.78	326.59	2345
998.00	1154.54	1133.14	2271	2298	90.72	194.45	326.09	2325
1000.00	1156.89	1135.49	2271	2298	90.54	194.11	325.57	2346
1002.00	1159.13	1137.73	2271	2298	90.39	193.80	325.11	2241
1004.00	1161.46	1140.06	2271	2298	90.21	193.46	324.60	2337
1006.00	1163.71	1142.31	2271	2298	90.06	193.16	324.14	2248

457085

TWO-WAY TRAVEL TIME FROM SRD MS	MEASURED DEPTH FROM KB M	VERTICAL DEPTH FROM SRD M	AVERAGE VELOCITY SRD/GEO M/S	RMS VELOCITY M/S	FIRST NORMAL MOVEOUT MS	SECOND NORMAL MOVEOUT MS	THIRD NORMAL MOVEOUT MS	INTERVAL VELOCITY M/S
								2232
1008,00	1165,94	1144,54	2271	2298	89,90	192,85	323,68	
								2259
1010,00	1168,20	1146,80	2271	2298	89,75	192,55	323,22	
								2263
1012,00	1170,46	1149,06	2271	2298	89,59	192,24	322,75	
								2188
1014,00	1172,65	1151,25	2271	2298	89,44	191,95	322,32	
								2229
1016,00	1174,88	1153,48	2271	2298	89,29	191,65	321,87	
								2231
1018,00	1177,11	1155,71	2271	2298	89,14	191,36	321,42	
								2281
1020,00	1179,39	1157,99	2271	2298	88,98	191,04	320,95	
								2160
1022,00	1181,55	1160,15	2270	2297	88,84	190,77	320,53	
								2171
1024,00	1183,73	1162,33	2270	2297	88,70	190,49	320,12	
								2151
1026,00	1185,88	1164,48	2270	2297	88,56	190,22	319,71	
								2231
1028,00	1188,11	1166,71	2270	2297	88,41	189,93	319,26	
								2158
1030,00	1190,27	1168,87	2270	2296	88,27	189,66	318,85	
								2251
1032,00	1192,52	1171,12	2270	2296	88,12	189,36	318,40	
								2192
1034,00	1194,71	1173,31	2269	2296	87,98	189,08	317,98	
								2239
1036,00	1196,95	1175,55	2269	2296	87,83	188,79	317,54	
								2235
1038,00	1199,18	1177,78	2269	2296	87,68	188,50	317,10	
								2255
1040,00	1201,44	1180,04	2269	2296	87,53	188,20	316,65	
								2169
1042,00	1203,61	1182,21	2269	2296	87,39	187,93	316,24	
								2187
1044,00	1205,79	1184,39	2269	2295	87,25	187,66	315,83	
								2156
1046,00	1207,95	1186,55	2269	2295	87,12	187,39	315,42	
								2107
1048,00	1210,06	1188,66	2268	2295	86,99	187,14	315,04	
								2076
1050,00	1212,13	1190,73	2268	2294	86,87	186,90	314,68	
								2109
1052,00	1214,24	1192,84	2268	2294	86,74	186,65	314,30	
								2176
1054,00	1216,42	1195,02	2268	2294	86,60	186,38	313,89	

457086

TWO-WAY TRAVEL TIME FROM SRD MS	MEASURED DEPTH FROM KB M	VERTICAL DEPTH FROM SRD M	AVERAGE VELOCITY SRD/GEO M/S	RMS VELOCITY M/S	FIRST NORMAL MOVEOUT MS	SECOND NORMAL MOVEOUT MS	THIRD NORMAL MOVEOUT MS	INTERVAL VELOCITY M/S
1056.00	1218.63	1197.23	2267	2294	86.46	186.10	313.47	2211
1058.00	1220.85	1199.45	2267	2294	86.32	185.82	313.05	2225
1060.00	1223.08	1201.68	2267	2293	86.18	185.54	312.62	2226
1062.00	1225.27	1203.87	2267	2293	86.04	185.27	312.21	2189
1064.00	1227.56	1206.16	2267	2293	85.89	184.98	311.76	2292
1066.00	1229.77	1208.37	2267	2293	85.75	184.70	311.34	2213
1068.00	1231.89	1210.49	2267	2293	85.63	184.45	310.97	2121
1070.00	1234.06	1212.66	2267	2293	85.50	184.20	310.57	2161
1072.00	1236.29	1214.89	2267	2292	85.36	183.92	310.15	2239
1074.00	1238.50	1217.10	2266	2292	85.22	183.65	309.74	2202
1076.00	1240.69	1219.29	2266	2292	85.09	183.38	309.33	2194
1078.00	1242.95	1221.55	2266	2292	84.94	183.10	308.90	2263
1080.00	1245.25	1223.85	2266	2292	84.80	182.81	308.45	2294
1082.00	1247.52	1226.12	2266	2292	84.65	182.53	308.02	2276
1084.00	1249.83	1228.43	2266	2292	84.51	182.23	307.57	2307
1086.00	1252.13	1230.73	2267	2292	84.36	181.95	307.13	2293
1088.00	1254.42	1233.02	2267	2292	84.22	181.66	306.69	2294
1090.00	1256.74	1235.34	2267	2292	84.07	181.36	306.23	2323
1092.00	1259.03	1237.63	2267	2292	83.93	181.08	305.80	2284
1094.00	1261.32	1239.92	2267	2292	83.79	180.80	305.36	2295
1096.00	1263.64	1242.24	2267	2292	83.64	180.51	304.91	2321
1098.00	1265.97	1244.57	2267	2292	83.49	180.21	304.46	2330
1100.00	1268.29	1246.89	2267	2292	83.35	179.92	304.01	2321
1102.00	1270.60	1249.20	2267	2292	83.21	179.64	303.58	2307

457087

TWO-WAY TRAVEL TIME FROM SRD MS	MEASURED DEPTH FROM KB M	VERTICAL DEPTH FROM SRD M	AVERAGE VELOCITY SRD/GEO M/S	RMS VELOCITY M/S	FIRST NORMAL MOVEOUT MS	SECOND NORMAL MOVEOUT MS	THIRD NORMAL MOVEOUT MS	INTERVAL VELOCITY M/S
								2392
1104,00	1272,99	1251,59	2267	2292	83,05	179,33	303,10	
								2323
1106,00	1275,31	1253,91	2267	2293	82,91	179,05	302,66	
								2309
1108,00	1277,62	1256,22	2268	2293	82,77	178,76	302,22	
								2318
1110,00	1279,94	1258,54	2268	2293	82,63	178,48	301,78	
								2339
1112,00	1282,28	1260,88	2268	2293	82,48	178,19	301,34	
								2334
1114,00	1284,61	1263,21	2268	2293	82,34	177,90	300,89	
								2313
1116,00	1286,93	1265,53	2268	2293	82,20	177,62	300,46	
								2376
1118,00	1289,30	1267,90	2268	2293	82,05	177,33	300,00	
								2329
1120,00	1291,63	1270,23	2268	2293	81,91	177,04	299,56	
								2363
1122,00	1294,00	1272,60	2268	2293	81,77	176,75	299,11	
								2343
1124,00	1296,34	1274,94	2269	2293	81,62	176,47	298,67	
								2389
1126,00	1298,73	1277,33	2269	2293	81,48	176,17	298,21	
								2455
1128,00	1301,18	1279,78	2269	2294	81,32	175,86	297,72	
								2376
1130,00	1303,56	1282,16	2269	2294	81,18	175,57	297,27	
								2387
1132,00	1305,95	1284,55	2270	2294	81,03	175,28	296,82	
								2357
1134,00	1308,30	1286,90	2270	2294	80,89	174,99	296,37	
								2313
1136,00	1310,62	1289,22	2270	2294	80,76	174,72	295,95	
								2411
1138,00	1313,03	1291,63	2270	2294	80,61	174,43	295,49	
								2432
1140,00	1315,46	1294,06	2270	2295	80,46	174,12	295,02	
								2430
1142,00	1317,89	1296,49	2271	2295	80,31	173,83	294,56	
								2267
1144,00	1320,16	1298,76	2271	2295	80,18	173,57	294,16	
								2339
1146,00	1322,50	1301,10	2271	2295	80,05	173,29	293,73	
								2321
1148,00	1324,82	1303,42	2271	2295	79,91	173,03	293,31	
								2459
1150,00	1327,28	1305,88	2271	2295	79,76	172,72	292,84	

457088

TWO-WAY TRAVEL TIME FROM SRD MS	MEASURED DEPTH FROM KB M	VERTICAL DEPTH FROM SRD M	AVERAGE VELOCITY SRD/GEO M/S	RMS VELOCITY M/S	FIRST NORMAL MOVEOUT MS	SECOND NORMAL MOVEOUT MS	THIRD NORMAL MOVEOUT MS	INTERVAL VELOCITY M/S
1152,00	1329,85	1308,45	2272	2296	79,60	172,39	292,31	2575
1154,00	1332,27	1310,87	2272	2296	79,46	172,10	291,86	2423
1156,00	1334,68	1313,28	2272	2296	79,31	171,81	291,41	2407
1158,00	1337,17	1315,77	2272	2297	79,16	171,50	290,93	2489
1160,00	1339,63	1318,23	2273	2297	79,02	171,21	290,46	2460
1162,00	1341,97	1320,57	2273	2297	78,88	170,94	290,05	2338
1164,00	1344,31	1322,91	2273	2297	78,75	170,67	289,63	2340
1166,00	1346,72	1325,32	2273	2297	78,61	170,39	289,19	2408
1168,00	1349,21	1327,81	2274	2298	78,46	170,09	288,71	2498
1170,00	1351,72	1330,32	2274	2298	78,31	169,78	288,23	2504
1172,00	1354,23	1332,83	2274	2298	78,16	169,48	287,75	2508
1174,00	1356,80	1335,40	2275	2299	78,00	169,16	287,24	2573
1176,00	1359,27	1337,87	2275	2299	77,86	168,86	286,78	2474
1178,00	1361,78	1340,38	2276	2299	77,71	168,56	286,31	2506
1180,00	1364,21	1342,80	2276	2300	77,57	168,28	285,87	2426
1182,00	1366,60	1345,20	2276	2300	77,44	168,01	285,44	2397
1184,00	1368,83	1347,43	2276	2300	77,32	167,78	285,08	2227
1186,00	1371,23	1349,83	2276	2300	77,19	167,50	284,65	2404
1188,00	1373,56	1352,16	2276	2300	77,07	167,25	284,25	2329
1190,00	1375,90	1354,50	2276	2300	76,94	166,99	283,85	2340
1192,00	1378,28	1356,88	2277	2300	76,81	166,73	283,44	2381
1194,00	1380,75	1359,35	2277	2300	76,67	166,44	282,99	2466
1196,00	1383,26	1361,86	2277	2301	76,53	166,15	282,52	2514
1198,00	1385,61	1364,21	2277	2301	76,40	165,89	282,12	2350

TWO-WAY TRAVEL TIME FROM SRD MS	MEASURED DEPTH FROM KB M	VERTICAL DEPTH FROM SRD M	AVERAGE VELOCITY SRD/GEO M/S	RMS VELOCITY M/S	FIRST NORMAL MOVEOUT MS	SECOND NORMAL MOVEOUT MS	THIRD NORMAL MOVEOUT MS	INTERVAL VELOCITY M/S
1200,00	1388,17	1366,77	2278	2301	76,25	165,59	281,64	2555
1202,00	1390,86	1369,46	2279	2302	76,09	165,25	281,11	2689
1204,00	1393,39	1371,99	2279	2302	75,94	164,96	280,64	2534
1206,00	1395,89	1374,49	2279	2303	75,80	164,67	280,19	2496
1208,00	1398,30	1376,90	2280	2303	75,67	164,41	279,77	2416
1210,00	1400,67	1379,27	2280	2303	75,55	164,15	279,37	2365
1212,00	1403,17	1381,77	2280	2303	75,41	163,87	278,92	2506
1214,00	1405,58	1384,18	2280	2304	75,28	163,61	278,51	2407
1216,00	1408,07	1386,67	2281	2304	75,14	163,33	278,07	2485
1218,00	1410,43	1389,03	2281	2304	75,02	163,08	277,67	2368
1220,00	1412,83	1391,43	2281	2304	74,89	162,82	277,27	2400
1222,00	1415,19	1393,79	2281	2304	74,77	162,58	276,88	2351
1224,00	1417,71	1396,31	2282	2305	74,64	162,29	276,43	2529
1226,00	1420,22	1398,82	2282	2305	74,50	162,01	275,99	2503
1228,00	1422,79	1401,39	2282	2305	74,36	161,72	275,52	2575
1230,00	1425,31	1403,91	2283	2306	74,22	161,44	275,07	2521
1232,00	1428,04	1406,64	2284	2307	74,06	161,10	274,54	2731
1234,00	1430,56	1409,16	2284	2307	73,92	160,83	274,10	2517
1236,00	1433,00	1411,60	2284	2307	73,80	160,57	273,69	2435
1238,00	1435,63	1414,23	2285	2308	73,65	160,27	273,21	2633
1240,00	1438,19	1416,79	2285	2308	73,51	159,98	272,76	2564
1242,00	1440,67	1419,27	2285	2308	73,38	159,71	272,34	2476
1244,00	1443,13	1421,73	2286	2309	73,25	159,45	271,92	2456
1246,00	1445,62	1424,22	2286	2309	73,12	159,19	271,50	2494

457090

TWO-WAY TRAVEL TIME FROM SRD MS	MEASURED DEPTH FROM KB M	VERTICAL DEPTH FROM SRD M	AVERAGE VELOCITY SRD/GEO M/S	RMS VELOCITY M/S	FIRST NORMAL MOVEOUT MS	SECOND NORMAL MOVEOUT MS	THIRD NORMAL MOVEOUT MS	INTERVAL VELOCITY M/S
								2606
1248,00	1448,23	1426,83	2287	2309	72,98	158,90	271,03	
								2549
1250,00	1450,78	1429,38	2287	2310	72,85	158,62	270,59	
								2673
1252,00	1453,45	1432,05	2288	2310	72,70	158,31	270,10	
								2531
1254,00	1455,98	1434,58	2288	2311	72,57	158,04	269,67	
								2516
1256,00	1458,50	1437,10	2288	2311	72,44	157,77	269,24	
								2438
1258,00	1460,93	1439,53	2289	2311	72,31	157,52	268,85	
								2624
1260,00	1463,56	1442,16	2289	2312	72,17	157,23	268,38	
								2530
1262,00	1466,09	1444,69	2290	2312	72,04	156,96	267,96	
								2693
1264,00	1468,78	1447,38	2290	2313	71,90	156,66	267,47	
								2659
1266,00	1471,44	1450,04	2291	2314	71,75	156,36	266,99	
								2704
1268,00	1474,14	1452,74	2291	2314	71,61	156,06	266,51	
								2853
1270,00	1477,00	1455,60	2292	2315	71,44	155,72	265,96	
								2749
1272,00	1479,74	1458,34	2293	2316	71,29	155,41	265,46	
								2774
1274,00	1482,52	1461,12	2294	2317	71,14	155,09	264,95	
								2863
1276,00	1485,38	1463,98	2295	2318	70,98	154,75	264,40	
								3134
1278,00	1488,52	1467,12	2296	2319	70,78	154,35	263,75	
								2872
1280,00	1491,39	1469,99	2297	2320	70,62	154,01	263,21	
								2867
1282,00	1494,25	1472,85	2298	2321	70,46	153,68	262,67	
								2864
1284,00	1497,12	1475,72	2299	2322	70,30	153,34	262,13	
								2936
1286,00	1500,05	1478,65	2300	2323	70,13	153,00	261,57	
								2850
1288,00	1502,91	1481,51	2300	2324	69,97	152,67	261,05	
								2820
1290,00	1505,73	1484,33	2301	2325	69,82	152,35	260,54	
								2823
1292,00	1508,55	1487,15	2302	2326	69,67	152,04	260,02	
								2899
1294,00	1511,45	1490,05	2303	2327	69,51	151,70	259,49	

457091

TWO-WAY TRAVEL TIME FROM SRD MS	MEASURED DEPTH FROM KB M	VERTICAL DEPTH FROM SRD M	AVERAGE VELOCITY SRD/GEO M/S	RMS VELOCITY M/S	FIRST NORMAL MOVEOUT MS	SECOND NORMAL MOVEOUT MS	THIRD NORMAL MOVEOUT MS	INTERVAL VELOCITY M/S
1296.00	1514.26	1492.86	2304	2328	69.36	151.39	258.98	2815
1298.00	1517.14	1495.74	2305	2328	69.20	151.07	258.46	2880
1300.00	1520.04	1498.64	2306	2329	69.04	150.74	257.92	2900
1302.00	1522.99	1501.59	2307	2331	68.88	150.40	257.38	2948
1304.00	1525.96	1504.56	2308	2332	68.72	150.05	256.82	2967
1306.00	1528.72	1507.32	2308	2332	68.58	149.76	256.35	2764
1308.00	1531.56	1510.16	2309	2333	68.43	149.45	255.84	2842
1310.00	1534.42	1513.02	2310	2334	68.28	149.14	255.34	2855
1312.00	1537.20	1515.80	2311	2335	68.14	148.84	254.87	2777
1314.00	1540.00	1518.60	2311	2336	67.99	148.54	254.38	2808
1316.00	1542.87	1521.47	2312	2337	67.84	148.23	253.88	2866
1318.00	1545.88	1524.48	2313	2338	67.68	147.89	253.32	3010
1320.00	1548.84	1527.44	2314	2339	67.52	147.56	252.79	2960
1322.00	1551.73	1530.33	2315	2340	67.37	147.25	252.28	2890
1324.00	1554.67	1533.27	2316	2341	67.22	146.93	251.76	2940
1326.00	1557.55	1536.15	2317	2342	67.07	146.62	251.26	2876
1328.00	1560.43	1539.03	2318	2343	66.92	146.31	250.76	2881
1330.00	1563.38	1541.98	2319	2344	66.77	145.99	250.24	2950
1332.00	1566.22	1544.82	2320	2344	66.63	145.70	249.77	2841
1334.00	1569.05	1547.65	2320	2345	66.49	145.40	249.29	2836
1336.00	1571.93	1550.53	2321	2346	66.35	145.10	248.80	2874
1338.00	1574.64	1553.24	2322	2347	66.22	144.84	248.38	2711
1340.00	1577.33	1555.93	2322	2347	66.09	144.58	247.96	2692
1342.00	1580.07	1558.67	2323	2348	65.97	144.31	247.52	2740

457092

TWO-WAY TRAVEL TIME FROM SRD MS	MEASURED DEPTH FROM KB M	VERTICAL DEPTH FROM SRD M	AVERAGE VELOCITY SRD/GEO M/S	RMS VELOCITY M/S	FIRST NORMAL MOVEOUT MS	SECOND NORMAL MOVEOUT MS	THIRD NORMAL MOVEOUT MS	INTERVAL VELOCITY M/S
								2673
1344,00	1582,74	1561,34	2323	2348	65,84	144,06	247,11	
								3013
1346,00	1585,76	1564,36	2324	2350	65,69	143,73	246,58	
								2812
1348,00	1588,57	1567,17	2325	2350	65,55	143,45	246,12	
								2803
1350,00	1591,37	1569,97	2326	2351	65,42	143,17	245,67	
								2897
1352,00	1594,27	1572,87	2327	2352	65,28	142,88	245,19	
								2903
1354,00	1597,17	1575,77	2328	2353	65,14	142,58	244,71	
								2964
1356,00	1600,14	1578,74	2329	2354	64,99	142,27	244,21	
								2968
1358,00	1603,10	1581,70	2329	2355	64,85	141,97	243,71	
								3032
1360,00	1606,14	1584,74	2330	2356	64,69	141,65	243,19	
								3012
1362,00	1609,15	1587,75	2331	2357	64,54	141,33	242,68	
								3054
1364,00	1612,20	1590,80	2333	2358	64,39	141,01	242,15	
								3031
1366,00	1615,23	1593,83	2334	2359	64,24	140,70	241,64	
								3012
1368,00	1618,25	1596,85	2335	2360	64,09	140,39	241,13	
								3123
1370,00	1621,37	1599,97	2336	2362	63,94	140,06	240,59	
								3079
1372,00	1624,45	1603,05	2337	2363	63,78	139,73	240,06	
								3085
1374,00	1627,53	1606,13	2338	2364	63,63	139,41	239,54	
								2913
1376,00	1630,45	1609,05	2339	2365	63,50	139,13	239,08	
								2552
1378,00	1633,00	1611,60	2339	2365	63,39	138,91	238,73	
								2445
1380,00	1635,44	1614,04	2339	2365	63,30	138,72	238,41	
								2586
1382,00	1638,03	1616,63	2340	2366	63,19	138,50	238,05	
								2805
1384,00	1640,83	1619,43	2340	2367	63,07	138,24	237,63	
								2661
1386,00	1643,50	1622,10	2341	2367	62,96	138,01	237,25	
								2603
1388,00	1646,10	1624,70	2341	2367	62,85	137,79	236,90	
								2607
1390,00	1648,71	1627,31	2341	2368	62,75	137,57	236,54	

457093

TWO-WAY TRAVEL TIME FROM SRD MS	MEASURED DEPTH FROM KB M	VERTICAL DEPTH FROM SRD M	AVERAGE VELOCITY SRD/GEO M/S	RMS VELOCITY M/S	FIRST NORMAL MOVEOUT MS	SECOND NORMAL MOVEOUT MS	THIRD NORMAL MOVEOUT MS	INTERVAL VELOCITY M/S
1392,00	1651,20	1629,80	2342	2368	62,65	137,36	236,21	2498
1394,00	1653,65	1632,25	2342	2368	62,56	137,17	235,90	2449
1396,00	1656,13	1634,73	2342	2368	62,47	136,98	235,58	2481
1398,00	1658,72	1637,32	2342	2368	62,36	136,76	235,23	2585
1400,00	1661,23	1639,83	2343	2369	62,27	136,56	234,90	2516
1402,00	1663,80	1642,40	2343	2369	62,17	136,35	234,56	2563
1404,00	1666,28	1644,88	2343	2369	62,08	136,15	234,25	2481
1406,00	1668,67	1647,27	2343	2369	61,99	135,97	233,96	2392
1408,00	1671,10	1649,70	2343	2369	61,90	135,79	233,65	2433
1410,00	1673,61	1652,21	2344	2369	61,81	135,59	233,33	2509
1412,00	1676,10	1654,70	2344	2370	61,71	135,40	233,02	2485
1414,00	1678,58	1657,18	2344	2370	61,62	135,20	232,70	2487
1416,00	1680,97	1659,57	2344	2370	61,54	135,03	232,42	2389
1418,00	1683,52	1662,12	2344	2370	61,44	134,82	232,09	2546
1420,00	1686,08	1664,68	2345	2370	61,34	134,62	231,76	2563
1422,00	1688,74	1667,34	2345	2371	61,24	134,40	231,40	2656
1424,00	1691,47	1670,07	2346	2371	61,13	134,17	231,02	2735
1426,00	1693,98	1672,58	2346	2372	61,04	133,98	230,70	2511
1428,00	1696,51	1675,11	2346	2372	60,94	133,78	230,38	2532
1430,00	1699,05	1677,65	2346	2372	60,85	133,58	230,06	2540
1432,00	1701,73	1680,33	2347	2372	60,74	133,36	229,70	2676
1434,00	1704,23	1682,83	2347	2373	60,65	133,17	229,40	2498
1436,00	1706,67	1685,27	2347	2373	60,57	132,99	229,10	2445
1438,00	1709,22	1687,82	2347	2373	60,47	132,80	228,78	2544

457094

TWO-WAY TRAVEL TIME FROM SRD MS	MEASURED DEPTH FROM KB M	VERTICAL DEPTH FROM SRD M	AVERAGE VELOCITY SRD/GEO M/S	RMS VELOCITY M/S	FIRST NORMAL MOVEOUT MS	SECOND NORMAL MOVEOUT MS	THIRD NORMAL MOVEOUT MS	INTERVAL VELOCITY M/S
								2522
1440,00	1711,74	1690,34	2348	2373	60,38	132,60	228,47	
								2489
1442,00	1714,23	1692,83	2348	2373	60,29	132,42	228,17	
								2515
1444,00	1716,74	1695,34	2348	2374	60,20	132,23	227,86	
								2485
1446,00	1719,23	1697,83	2348	2374	60,12	132,04	227,56	
								2577
1448,00	1721,80	1700,40	2349	2374	60,02	131,85	227,23	
								2543
1450,00	1724,35	1702,95	2349	2374	59,93	131,65	226,92	
								2529
1452,00	1726,88	1705,48	2349	2375	59,84	131,46	226,61	
								2504
1454,00	1729,38	1707,98	2349	2375	59,75	131,28	226,31	
								2521
1456,00	1731,90	1710,50	2350	2375	59,66	131,09	226,00	
								2485
1458,00	1734,39	1712,99	2350	2375	59,58	130,91	225,71	
								2539
1460,00	1736,93	1715,53	2350	2375	59,49	130,72	225,40	
								2563
1462,00	1739,49	1718,09	2350	2376	59,40	130,53	225,08	
								2588
1464,00	1742,08	1720,68	2351	2376	59,30	130,33	224,76	
								2596
1466,00	1744,67	1723,27	2351	2376	59,21	130,14	224,44	
								2592
1468,00	1747,27	1725,87	2351	2376	59,12	129,94	224,12	
								3099
1470,00	1750,36	1728,96	2352	2378	58,98	129,66	223,66	
								3205
1472,00	1753,57	1732,17	2353	2379	58,84	129,36	223,16	
								3228
1474,00	1756,80	1735,40	2355	2380	58,70	129,06	222,66	
								3079
1476,00	1759,88	1738,48	2356	2381	58,57	128,78	222,21	
								3111
1478,00	1762,99	1741,59	2357	2383	58,44	128,51	221,75	
								3113
1480,00	1766,10	1744,70	2358	2384	58,31	128,23	221,29	
								3186
1482,00	1769,29	1747,89	2359	2385	58,17	127,94	220,81	
								3238
1484,00	1772,53	1751,13	2360	2386	58,03	127,64	220,32	
								3041
1486,00	1775,57	1754,17	2361	2387	57,91	127,38	219,89	

457095

TWO-WAY TRAVEL TIME FROM SRD MS	MEASURED DEPTH FROM KB M	VERTICAL DEPTH FROM SRD M	AVERAGE VELOCITY SRD/GEO M/S	RMS VELOCITY M/S	FIRST NORMAL MOVEOUT MS	SECOND NORMAL MOVEOUT MS	THIRD NORMAL MOVEOUT MS	INTERVAL VELOCITY M/S
1488,00	1778,48	1757,08	2362	2388	57,80	127,14	219,50	2919
1490,00	1781,24	1759,84	2362	2389	57,70	126,93	219,15	2756
1492,00	1784,21	1762,81	2363	2389	57,58	126,68	218,74	2968
1494,00	1787,05	1765,65	2364	2390	57,48	126,46	218,37	2838
1496,00	1789,82	1768,42	2364	2391	57,38	126,25	218,02	2778
1498,00	1792,63	1771,23	2365	2391	57,28	126,03	217,67	2806
1500,00	1795,84	1774,44	2366	2393	57,14	125,75	217,20	3213
1502,00	1798,84	1777,44	2367	2393	57,03	125,50	216,79	2995
1504,00	1801,73	1780,33	2367	2394	56,92	125,27	216,41	2896
1506,00	1804,74	1783,34	2368	2395	56,80	125,03	216,01	3007
1508,00	1808,00	1786,60	2369	2396	56,67	124,74	215,53	3261
1510,00	1811,24	1789,84	2371	2398	56,53	124,45	215,06	3233
1512,00	1814,39	1792,99	2372	2399	56,41	124,19	214,61	3154
1514,00	1817,40	1796,00	2373	2400	56,30	123,95	214,21	3012
1516,00	1820,45	1799,05	2373	2401	56,18	123,70	213,80	3053
1518,00	1823,68	1802,28	2375	2402	56,05	123,42	213,34	3226
1520,00	1826,81	1805,41	2376	2403	55,93	123,16	212,91	3131
1522,00	1829,75	1808,35	2376	2404	55,82	122,93	212,54	2935
1524,00	1832,92	1811,52	2377	2405	55,70	122,67	212,10	3173
1526,00	1835,96	1814,56	2378	2406	55,58	122,43	211,70	3039
1528,00	1838,98	1817,58	2379	2407	55,47	122,19	211,30	3026
1530,00	1842,42	1821,02	2380	2409	55,33	121,89	210,79	3431
1532,00	1845,57	1824,17	2381	2410	55,21	121,63	210,37	3156
1534,00	1848,51	1827,11	2382	2411	55,10	121,41	210,00	2941

457096

TWO-WAY TRAVEL TIME FROM SRD MS	MEASURED DEPTH FROM KB M	VERTICAL DEPTH FROM SRD M	AVERAGE VELOCITY SRD/GEO M/S	RMS VELOCITY M/S	FIRST NORMAL MOVEOUT MS	SECOND NORMAL MOVEOUT MS	THIRD NORMAL MOVEOUT MS	INTERVAL VELOCITY M/S
1536,00	1851,32	1829,92	2383	2411	55,01	121,21	209,67	2806
1538,00	1854,47	1833,07	2384	2412	54,89	120,95	209,25	3152
1540,00	1857,40	1836,00	2384	2413	54,79	120,74	208,89	2929
1542,00	1860,37	1838,97	2385	2414	54,68	120,51	208,52	2971
1544,00	1863,73	1842,33	2386	2415	54,55	120,23	208,04	3362
1546,00	1867,08	1845,68	2388	2417	54,42	119,94	207,57	3347
1548,00	1870,21	1848,81	2389	2418	54,30	119,70	207,16	3131
1550,00	1873,33	1851,93	2390	2419	54,19	119,46	206,76	3116
1552,00	1876,39	1854,99	2390	2420	54,08	119,23	206,38	3065
1554,00	1879,36	1857,96	2391	2420	53,98	119,01	206,02	2966
1556,00	1882,45	1861,05	2392	2421	53,87	118,77	205,62	3092
1558,00	1885,65	1864,25	2393	2423	53,75	118,52	205,21	3199
1560,00	1888,81	1867,41	2394	2424	53,64	118,28	204,80	3161
1562,00	1891,97	1870,57	2395	2425	53,53	118,04	204,40	3160
1564,00	1895,57	1874,17	2397	2427	53,38	117,72	203,87	3601
1566,00	1898,71	1877,31	2398	2428	53,27	117,48	203,47	3143
1568,00	1901,63	1880,23	2398	2428	53,17	117,28	203,13	2916
1570,00	1904,54	1883,14	2399	2429	53,08	117,08	202,80	2911
1572,00	1907,82	1886,42	2400	2430	52,96	116,82	202,37	3279
1574,00	1910,94	1889,54	2401	2431	52,85	116,59	201,99	3118
1576,00	1914,25	1892,85	2402	2433	52,73	116,33	201,55	3317
1578,00	1918,28	1896,88	2404	2435	52,55	115,94	200,91	4031
1580,00	1921,54	1900,14	2405	2437	52,43	115,70	200,49	3260
1582,00	1924,73	1903,33	2406	2438	52,32	115,46	200,10	3181

457097

TWO-WAY TRAVEL TIME FROM SRD MS	MEASURED DEPTH FROM KB M	VERTICAL DEPTH FROM SRD M	AVERAGE VELOCITY SRD/GEO M/S	RMS VELOCITY M/S	FIRST NORMAL MOVEOUT MS	SECOND NORMAL MOVEOUT MS	THIRD NORMAL MOVEOUT MS	INTERVAL VELOCITY M/S
1584,00	1927,93	1906,53	2407	2439	52,21	115,22	199,70	3204
1586,00	1931,13	1909,73	2408	2440	52,10	114,98	199,30	3201
1588,00	1934,53	1913,13	2409	2441	51,98	114,72	198,86	3399
1590,00	1937,73	1916,33	2410	2442	51,87	114,48	198,47	3203
1592,00	1941,02	1919,62	2412	2444	51,75	114,24	198,05	3288
1594,00	1944,28	1922,88	2413	2445	51,64	113,99	197,65	3263
1596,00	1947,51	1926,11	2414	2446	51,53	113,76	197,26	3225
1598,00	1950,76	1929,36	2415	2447	51,42	113,52	196,86	3255
1600,00	1953,92	1932,52	2416	2448	51,31	113,30	196,48	3160
1602,00	1957,20	1935,80	2417	2449	51,20	113,06	196,08	3279
1604,00	1960,61	1939,21	2418	2451	51,08	112,80	195,65	3410
1606,00	1963,91	1942,51	2419	2452	50,97	112,56	195,24	3297
1608,00	1967,21	1945,81	2420	2453	50,86	112,32	194,84	3301
1610,00	1970,43	1949,03	2421	2454	50,75	112,09	194,46	3220
1612,00	1973,70	1952,30	2422	2456	50,64	111,85	194,07	3265
1614,00	1976,96	1955,56	2423	2457	50,53	111,62	193,68	3262
1616,00	1980,15	1958,75	2424	2458	50,43	111,40	193,31	3195
1618,00	1983,34	1961,94	2425	2459	50,33	111,18	192,94	3186
1620,00	1986,67	1965,27	2426	2460	50,22	110,94	192,54	3332
1622,00	1989,95	1968,55	2427	2461	50,11	110,71	192,16	3276
1624,00	1993,30	1971,90	2428	2463	50,00	110,47	191,75	3350
1626,00	1996,60	1975,20	2430	2464	49,89	110,24	191,36	3304
1628,00	1999,09	1977,69	2430	2464	49,83	110,11	191,15	2488
1630,00	2002,05	1980,65	2430	2465	49,74	109,93	190,84	2961

457098

TWO-WAY TRAVEL TIME FROM SRD MS	MEASURED DEPTH FROM KB M	VERTICAL DEPTH FROM SRD M	AVERAGE VELOCITY SRD/GEO M/S	RMS VELOCITY M/S	FIRST NORMAL MOVEOUT MS	SECOND NORMAL MOVEOUT MS	THIRD NORMAL MOVEOUT MS	INTERVAL VELOCITY M/S
1632.00	2005.45	1984.05	2431	2466	49.63	109.68	190.43	3396
1634.00	2008.87	1987.47	2433	2467	49.52	109.44	190.02	3423
1636.00	2012.46	1991.06	2434	2469	49.39	109.17	189.57	3589
1638.00	2015.79	1994.39	2435	2470	49.28	108.94	189.18	3336
1640.00	2019.10	1997.70	2436	2471	49.18	108.71	188.80	3305
1642.00	2022.39	2000.99	2437	2473	49.08	108.49	188.42	3296
1644.00	2025.62	2004.22	2438	2474	48.98	108.27	188.06	3227
1646.00	2028.96	2007.56	2439	2475	48.87	108.04	187.68	3341
1648.00	2032.23	2010.83	2440	2476	48.77	107.83	187.32	3264
1650.00	2035.37	2013.97	2441	2477	48.68	107.63	186.98	3147
1652.00	2038.29	2016.89	2442	2477	48.60	107.45	186.69	2921
1654.00	2040.47	2019.07	2441	2477	48.55	107.36	186.54	2174
1656.00	2043.41	2022.01	2442	2478	48.47	107.19	186.25	2946
1658.00	2046.56	2025.16	2443	2479	48.38	106.99	185.92	3150
1660.00	2049.76	2028.36	2444	2480	48.28	106.78	185.57	3201
1662.00	2052.94	2031.54	2445	2481	48.19	106.58	185.24	3180
1664.00	2056.44	2035.04	2446	2482	48.08	106.34	184.83	3492
1666.00	2059.81	2038.41	2447	2483	47.97	106.12	184.45	3371
1668.00	2063.17	2041.77	2448	2485	47.87	105.90	184.08	3361
1670.00	2066.59	2045.19	2449	2486	47.77	105.67	183.69	3416
1672.00	2070.00	2048.60	2450	2487	47.66	105.44	183.31	3415
1674.00	2073.27	2051.87	2451	2488	47.56	105.23	182.96	3267
1676.00	2076.30	2054.90	2452	2489	47.48	105.06	182.66	3031
1678.00	2079.62	2058.22	2453	2490	47.38	104.84	182.31	3323

457099

TWO-WAY TRAVEL TIME FROM SRD MS	MEASURED DEPTH FROM KB M	VERTICAL DEPTH FROM SRD M	AVERAGE VELOCITY SRD/GEO M/S	RMS VELOCITY M/S	FIRST NORMAL MOVEOUT MS	SECOND NORMAL MOVEOUT MS	THIRD NORMAL MOVEOUT MS	INTERVAL VELOCITY M/S
								3306
1680,00	2082,93	2061,53	2454	2491	47,29	104,63	181,95	
								3356
1682,00	2086,28	2064,88	2455	2493	47,19	104,42	181,59	
								3209
1684,00	2089,49	2068,09	2456	2493	47,10	104,22	181,26	
								3335
1686,00	2092,83	2071,43	2457	2495	47,00	104,01	180,91	
								3265
1688,00	2096,09	2074,69	2458	2496	46,90	103,81	180,57	
								3240
1690,00	2099,33	2077,93	2459	2497	46,81	103,61	180,24	
								3304
1692,00	2102,64	2081,24	2460	2498	46,72	103,41	179,89	
								3333
1694,00	2105,97	2084,57	2461	2499	46,62	103,20	179,54	
								3346
1696,00	2109,31	2087,91	2462	2500	46,53	102,99	179,19	
								3366
1698,00	2112,68	2091,28	2463	2501	46,43	102,78	178,84	
								3508
1700,00	2116,19	2094,79	2464	2503	46,32	102,55	178,45	
								3415
1702,00	2119,60	2098,20	2466	2504	46,22	102,34	178,09	
								2894
1704,00	2122,50	2101,10	2466	2505	46,15	102,19	177,83	
								3437
1706,00	2125,94	2104,54	2467	2506	46,05	101,97	177,47	
								3605
1708,00	2129,54	2108,14	2469	2507	45,94	101,74	177,07	
								3642
1710,00	2133,18	2111,78	2470	2509	45,83	101,50	176,66	
								3389
1712,00	2136,57	2115,17	2471	2510	45,74	101,29	176,32	
								3444
1714,00	2140,02	2118,62	2472	2512	45,64	101,08	175,96	
								3358
1716,00	2143,37	2121,97	2473	2513	45,55	100,87	175,62	
								3301
1718,00	2146,67	2125,27	2474	2514	45,46	100,68	175,29	
								3444
1720,00	2150,12	2128,72	2475	2515	45,36	100,47	174,94	
								3687
1722,00	2153,80	2132,40	2477	2517	45,25	100,23	174,53	
								3739
1724,00	2157,54	2136,14	2478	2518	45,14	99,98	174,11	
								3400
1726,00	2160,94	2139,54	2479	2520	45,04	99,78	173,77	

457100

TWO-WAY TRAVEL TIME FROM SRD MS	MEASURED DEPTH FROM KB M	VERTICAL DEPTH FROM SRD M	AVERAGE VELOCITY SRD/GEO M/S	RMS VELOCITY M/S	FIRST NORMAL MOVEOUT MS	SECOND NORMAL MOVEOUT MS	THIRD NORMAL MOVEOUT MS	INTERVAL VELOCITY M/S
1728,00	2164,44	2143,04	2480	2521	44,94	99,57	173,41	3498
1730,00	2167,78	2146,38	2481	2522	44,85	99,38	173,08	3336
1732,00	2171,04	2149,64	2482	2523	44,77	99,19	172,78	3258
1734,00	2174,43	2153,03	2483	2524	44,68	98,99	172,44	3398
1736,00	2177,54	2156,14	2484	2525	44,60	98,83	172,16	3103
1738,00	2180,83	2159,43	2485	2526	44,52	98,65	171,85	3289
1740,00	2184,15	2162,75	2486	2527	44,43	98,46	171,53	3329
1742,00	2187,59	2166,19	2487	2528	44,34	98,26	171,19	3437
1744,00	2190,73	2169,33	2488	2529	44,26	98,09	170,91	3137
1746,00	2193,81	2172,41	2488	2530	44,19	97,93	170,65	3078
1748,00	2196,53	2175,13	2489	2530	44,13	97,81	170,44	2724
1750,00	2199,68	2178,28	2489	2531	44,05	97,64	170,16	3149
1752,00	2202,32	2180,92	2490	2531	44,00	97,53	169,96	2639
1754,00	2205,55	2184,15	2490	2532	43,92	97,35	169,67	3232
1756,00	2209,26	2187,86	2492	2534	43,81	97,13	169,28	3709
1758,00	2212,70	2191,30	2493	2535	43,72	96,93	168,95	3442
1760,00	2215,97	2194,57	2494	2536	43,64	96,76	168,66	3267
1762,00	2219,38	2197,98	2495	2537	43,56	96,56	168,33	3416
1764,00	2222,30	2200,90	2495	2537	43,49	96,43	168,10	2912
1766,00	2224,48	2203,08	2495	2537	43,46	96,35	167,97	2181
1768,00	2227,48	2206,08	2496	2538	43,39	96,20	167,73	3005
1770,00	2231,12	2209,72	2497	2539	43,29	95,99	167,36	3637
1772,00	2234,49	2213,09	2498	2540	43,21	95,81	167,05	3368
1774,00	2238,01	2216,61	2499	2541	43,11	95,61	166,72	3523

457101

TWO-WAY TRAVEL TIME FROM SRD MS	MEASURED DEPTH FROM KB M	VERTICAL DEPTH FROM SRD M	AVERAGE VELOCITY SRD/GEO M/S	RMS VELOCITY M/S	FIRST NORMAL MOVEOUT MS	SECOND NORMAL MOVEOUT MS	THIRD NORMAL MOVEOUT MS	INTERVAL VELOCITY M/S
								3202
1776.00	2241.21	2219.81	2500	2542	43.04	95.44	166.44	
								3231
1778.00	2244.44	2223.04	2501	2543	42.96	95.28	166.16	
								3318
1780.00	2247.76	2226.36	2502	2544	42.88	95.10	165.86	
								3270
1782.00	2251.03	2229.63	2502	2545	42.80	94.93	165.58	
								3279
1784.00	2254.31	2232.91	2503	2546	42.72	94.76	165.29	
								3457
1786.00	2257.77	2236.37	2504	2547	42.64	94.58	164.97	
								3410
1788.00	2261.18	2239.78	2505	2548	42.55	94.39	164.66	
								3306
1790.00	2264.48	2243.08	2506	2549	42.48	94.22	164.37	
								3329
1792.00	2267.81	2246.41	2507	2550	42.40	94.05	164.08	
								2961
1794.00	2270.77	2249.37	2508	2551	42.33	93.92	163.85	
								3543
1796.00	2274.32	2252.92	2509	2552	42.24	93.72	163.52	
								3523
1798.00	2277.84	2256.44	2510	2553	42.16	93.53	163.20	
								3494
1800.00	2281.33	2259.93	2511	2555	42.07	93.35	162.88	
								3371
1802.00	2284.71	2263.31	2512	2556	41.99	93.17	162.59	
								3428
1804.00	2288.13	2266.73	2513	2557	41.91	92.99	162.28	
								3462
1806.00	2291.60	2270.19	2514	2558	41.83	92.81	161.98	
								3480
1808.00	2295.07	2273.67	2515	2559	41.74	92.63	161.66	
								2783
1810.00	2297.86	2276.46	2515	2559	41.69	92.51	161.47	
								2326
1812.00	2300.18	2278.78	2515	2559	41.65	92.43	161.34	
								3425
1814.00	2303.61	2282.21	2516	2560	41.57	92.26	161.04	
								3286
1816.00	2306.89	2285.49	2517	2561	41.50	92.10	160.76	
								3508
1818.00	2310.40	2289.00	2518	2563	41.41	91.91	160.45	
								3401
1820.00	2313.80	2292.40	2519	2564	41.33	91.74	160.16	
								3440
1822.00	2317.24	2295.84	2520	2565	41.25	91.57	159.87	

TWO-WAY TRAVEL TIME FROM SRD MS	MEASURED DEPTH FROM KB M	VERTICAL DEPTH FROM SRD M	AVERAGE VELOCITY SRD/GEO M/S	RMS VELOCITY M/S	FIRST NORMAL MOVEOUT MS	SECOND NORMAL MOVEOUT MS	THIRD NORMAL MOVEOUT MS	INTERVAL VELOCITY M/S
								3801
1824,00	2321,04	2299,64	2522	2566	41,16	91,36	159,51	
								3575
1826,00	2324,62	2303,22	2523	2568	41,07	91,17	159,19	
								3286
1828,00	2327,91	2306,51	2524	2569	41,00	91,01	158,92	
								3700
1830,00	2331,61	2310,21	2525	2570	40,91	90,81	158,58	
								3520
1832,00	2335,13	2313,73	2526	2571	40,82	90,63	158,28	
								3482
1834,00	2338,61	2317,21	2527	2573	40,74	90,46	157,98	
								3482
1836,00	2342,09	2320,69	2528	2574	40,66	90,29	157,68	
								2930
1838,00	2345,02	2323,62	2528	2574	40,61	90,16	157,48	
								3324
1840,00	2348,34	2326,94	2529	2575	40,54	90,01	157,21	
								3779
1842,00	2352,12	2330,72	2531	2577	40,44	89,80	156,86	
								3321
1844,00	2355,44	2334,04	2532	2578	40,37	89,65	156,60	
								3155
1846,00	2358,60	2337,20	2532	2578	40,31	89,51	156,36	
								3458
1848,00	2362,06	2340,66	2533	2579	40,23	89,34	156,08	
								2881
1850,00	2364,94	2343,54	2534	2580	40,18	89,23	155,88	
								3440
1852,00	2368,38	2346,98	2535	2581	40,10	89,06	155,60	
								3164
1854,00	2371,54	2350,14	2535	2582	40,04	88,92	155,36	
								2668
1856,00	2374,21	2352,81	2535	2582	39,99	88,82	155,20	
								3391
1858,00	2377,60	2356,20	2536	2583	39,92	88,66	154,93	
								3526
1860,00	2381,13	2359,73	2537	2584	39,84	88,49	154,64	
								3547
1862,00	2384,67	2363,27	2538	2585	39,76	88,32	154,34	
								3681
1864,00	2388,36	2366,96	2540	2586	39,68	88,14	154,03	
								3517
1866,00	2391,87	2370,47	2541	2588	39,60	87,97	153,74	
								3368
1868,00	2395,24	2373,84	2542	2589	39,53	87,81	153,48	
								3428
1870,00	2398,67	2377,27	2543	2590	39,45	87,65	153,21	

457103

TWO-WAY TRAVEL TIME FROM SRD MS	MEASURED DEPTH FROM KB M	VERTICAL DEPTH FROM SRD M	AVERAGE VELOCITY SRD/GEO M/S	RMS VELOCITY M/S	FIRST NORMAL MOVEOUT MS	SECOND NORMAL MOVEOUT MS	THIRD NORMAL MOVEOUT MS	INTERVAL VELOCITY M/S
1872,00	2401,78	2380,38	2543	2590	39,39	87,52	152,98	3110
1874,00	2404,87	2383,47	2544	2591	39,34	87,40	152,77	3092
1876,00	2408,54	2387,14	2545	2592	39,25	87,22	152,46	3670
1878,00	2412,16	2390,76	2546	2594	39,17	87,04	152,16	3622
1880,00	2415,28	2393,88	2547	2594	39,11	86,91	151,94	3118
1882,00	2418,87	2397,47	2548	2595	39,04	86,74	151,65	3590
1884,00	2422,42	2401,02	2549	2597	38,96	86,57	151,37	3551
1886,00	2425,89	2404,48	2550	2598	38,89	86,42	151,10	3464
1888,00	2429,32	2407,92	2551	2599	38,82	86,26	150,83	3438
1890,00	2432,75	2411,35	2552	2600	38,75	86,11	150,57	3428
1892,00	2436,58	2415,18	2553	2601	38,66	85,92	150,25	3825
1894,00	2440,06	2418,66	2554	2602	38,59	85,76	149,98	3479
1896,00	2443,48	2422,08	2555	2603	38,52	85,61	149,72	3421
1898,00	2447,06	2425,66	2556	2605	38,44	85,45	149,44	3579
1900,00	2450,32	2428,92	2557	2605	38,38	85,31	149,21	3264
1902,00	2452,96	2431,56	2557	2605	38,34	85,22	149,06	2639
1904,00	2456,03	2434,63	2557	2606	38,28	85,10	148,86	3070
1906,00	2459,50	2438,10	2558	2607	38,21	84,95	148,59	3472
1908,00	2463,00	2441,60	2559	2608	38,14	84,79	148,33	3500
1910,00	2466,61	2445,21	2560	2609	38,07	84,63	148,05	3609
1912,00	2470,15	2448,75	2561	2611	38,00	84,47	147,78	3537
1914,00	2473,97	2452,58	2563	2612	37,91	84,29	147,47	3830
1916,00	2477,61	2456,21	2564	2613	37,84	84,12	147,18	3636
1918,00	2481,17	2459,77	2565	2615	37,76	83,97	146,91	3559

457104

TWO-WAY TRAVEL TIME FROM SRD MS	MEASURED DEPTH FROM KB M	VERTICAL DEPTH FROM SRD M	AVERAGE VELOCITY SRD/GEO M/S	RMS VELOCITY M/S	FIRST NORMAL MOVEOUT MS	SECOND NORMAL MOVEOUT MS	THIRD NORMAL MOVEOUT MS	INTERVAL VELOCITY M/S
1920.00	2484.88	2463.48	2566	2616	37.69	83.80	146.62	3711
1922.00	2488.47	2467.07	2567	2617	37.61	83.64	146.35	3584
1924.00	2492.21	2470.81	2568	2619	37.53	83.47	146.06	3742
1926.00	2495.90	2474.50	2570	2620	37.46	83.30	145.77	3688
1928.00	2499.50	2478.10	2571	2621	37.39	83.14	145.50	3607
1930.00	2503.21	2481.81	2572	2622	37.31	82.97	145.22	3712
1932.00	2506.55	2485.15	2573	2623	37.25	82.84	144.99	3336
1934.00	2509.74	2488.34	2573	2624	37.19	82.72	144.78	3194
1936.00	2513.47	2492.07	2574	2625	37.12	82.55	144.49	3724
1938.00	2516.98	2495.58	2575	2626	37.05	82.40	144.24	3514
1940.00	2520.74	2499.35	2577	2628	36.97	82.23	143.95	3764
1942.00	2524.55	2503.15	2578	2629	36.89	82.06	143.66	3805
1944.00	2528.44	2507.04	2579	2631	36.81	81.88	143.35	3890
1946.00	2532.18	2510.78	2580	2632	36.73	81.72	143.07	3743
1948.00	2535.86	2514.46	2582	2634	36.66	81.56	142.79	3676
1950.00	2539.32	2517.92	2582	2635	36.60	81.42	142.56	3458
1952.00	2542.83	2521.43	2583	2636	36.53	81.28	142.31	3512
1954.00	2546.59	2525.19	2585	2637	36.46	81.11	142.03	3758
1956.00	2550.04	2528.64	2586	2638	36.39	80.97	141.79	3455
1958.00	2553.67	2532.27	2587	2639	36.33	80.82	141.54	3624
1960.00	2557.31	2535.91	2588	2640	36.26	80.67	141.27	3641
1962.00	2561.06	2539.66	2589	2642	36.18	80.51	141.00	3750
1964.00	2564.71	2543.31	2590	2643	36.11	80.36	140.74	3650
1966.00	2568.36	2546.96	2591	2644	36.04	80.21	140.48	3653

457105

TWO-WAY TRAVEL TIME FROM SRD MS	MEASURED DEPTH FROM KB M	VERTICAL DEPTH FROM SRD M	AVERAGE VELOCITY SRD/GEO M/S	RMS VELOCITY M/S	FIRST NORMAL MOVEOUT MS	SECOND NORMAL MOVEOUT MS	THIRD NORMAL MOVEOUT MS	INTERVAL VELOCITY M/S
								3733
1968.00	2572.09	2550.69	2592	2646	35.97	80.05	140.21	
								3409
1970.00	2575.50	2554.10	2593	2646	35.91	79.92	139.99	
								3738
1972.00	2579.24	2557.84	2594	2648	35.84	79.76	139.72	
								3844
1974.00	2583.08	2561.68	2595	2649	35.77	79.60	139.43	
								3801
1976.00	2586.89	2565.49	2597	2651	35.69	79.44	139.16	
								3996
1978.00	2590.88	2569.48	2598	2652	35.61	79.26	138.85	
								3769
1980.00	2594.65	2573.25	2599	2654	35.54	79.10	138.58	
								3542
1982.00	2598.19	2576.79	2600	2655	35.48	78.96	138.35	
								3706
1984.00	2601.90	2580.50	2601	2656	35.41	78.81	138.09	
								3840
1986.00	2605.74	2584.34	2603	2658	35.33	78.65	137.81	
								3814
1988.00	2609.55	2588.15	2604	2659	35.26	78.49	137.54	
								3632
1990.00	2613.19	2591.79	2605	2660	35.20	78.35	137.30	
								3528
1992.00	2616.71	2595.31	2606	2661	35.14	78.22	137.07	
								3624
1994.00	2620.34	2598.94	2607	2662	35.07	78.08	136.82	
								3593
1996.00	2623.93	2602.53	2608	2663	35.01	77.94	136.59	
								3467
1998.00	2627.40	2606.00	2609	2664	34.95	77.81	136.37	
								3882
2000.00	2631.28	2609.88	2610	2666	34.88	77.65	136.09	
								3921
2002.00	2635.20	2613.80	2611	2667	34.80	77.49	135.81	
								3771
2004.00	2638.97	2617.57	2612	2669	34.73	77.34	135.55	
								3156
2006.00	2642.13	2620.73	2613	2669	34.69	77.23	135.38	
								2978
2008.00	2645.10	2623.70	2613	2669	34.64	77.14	135.22	
								3296
2010.00	2648.40	2627.00	2614	2670	34.59	77.03	135.02	
								3658
2012.00	2652.06	2630.66	2615	2671	34.53	76.89	134.78	
								3715
2014.00	2655.77	2634.37	2616	2673	34.46	76.74	134.54	

457106

TWO-WAY TRAVEL TIME FROM SRD MS	MEASURED DEPTH FROM KB M	VERTICAL DEPTH FROM SRD M	AVERAGE VELOCITY SRD/GEO M/S	RMS VELOCITY M/S	FIRST NORMAL MOVEOUT MS	SECOND NORMAL MOVEOUT MS	THIRD NORMAL MOVEOUT MS	INTERVAL VELOCITY M/S
2016,00	2659,55	2638,15	2617	2674	34,40	76,60	134,28	3774
2018,00	2663,24	2641,84	2618	2675	34,33	76,45	134,04	3694
2020,00	2667,07	2645,67	2619	2676	34,26	76,30	133,78	3823
2022,00	2670,83	2649,43	2621	2678	34,20	76,16	133,53	3762
2024,00	2674,89	2653,48	2622	2679	34,12	75,99	133,25	4058
2026,00	2678,84	2657,44	2623	2681	34,05	75,83	132,97	3958
2028,00	2682,79	2661,39	2625	2683	33,98	75,67	132,70	3943
2030,00	2686,59	2665,19	2626	2684	33,91	75,53	132,45	3808
2032,00	2690,40	2669,00	2627	2685	33,84	75,38	132,20	3806
2034,00	2694,51	2673,11	2628	2687	33,77	75,21	131,91	4115
2036,00	2698,22	2676,82	2629	2688	33,70	75,08	131,67	3708
2038,00	2702,21	2680,81	2631	2690	33,63	74,92	131,40	3987
2040,00	2706,19	2684,79	2632	2691	33,56	74,76	131,13	3981
2042,00	2709,58	2688,18	2633	2692	33,51	74,65	130,94	3388
2044,00	2713,27	2691,87	2634	2693	33,45	74,52	130,71	3689
2046,00	2716,80	2695,40	2635	2694	33,39	74,39	130,50	3536
2048,00	2720,31	2698,91	2636	2695	33,34	74,28	130,30	3503
2050,00	2724,31	2702,91	2637	2697	33,27	74,12	130,03	4003
2052,00	2727,37	2705,97	2637	2697	33,23	74,03	129,87	3064
2054,00	2731,21	2709,81	2639	2698	33,16	73,89	129,63	3836
2056,00	2734,97	2713,57	2640	2700	33,10	73,75	129,40	3757
2058,00	2738,68	2717,28	2641	2701	33,04	73,62	129,17	3709
2060,00	2742,36	2720,96	2642	2702	32,98	73,49	128,95	3684
2062,00	2746,06	2724,66	2643	2703	32,92	73,36	128,72	3703

457107

TWO-WAY TRAVEL TIME FROM SRD MS	MEASURED DEPTH FROM KB M	VERTICAL DEPTH FROM SRD M	AVERAGE VELOCITY SRD/GEO M/S	RMS VELOCITY M/S	FIRST NORMAL MOVEOUT MS	SECOND NORMAL MOVEOUT MS	THIRD NORMAL MOVEOUT MS	INTERVAL VELOCITY M/S
								3674
2064,00	2749,74	2728,34	2644	2704	32,86	73,23	128,50	
								3141
2066,00	2752,88	2731,48	2644	2705	32,82	73,14	128,34	
								3667
2068,00	2756,54	2735,14	2645	2706	32,76	73,01	128,12	
								3908
2070,00	2760,45	2739,05	2646	2707	32,70	72,87	127,88	
								3382
2072,00	2763,83	2742,43	2647	2708	32,65	72,76	127,69	
								3941
2074,00	2767,78	2746,37	2648	2709	32,58	72,62	127,45	
								3814
2076,00	2771,59	2750,19	2650	2711	32,52	72,48	127,21	
								4010
2078,00	2775,60	2754,20	2651	2712	32,46	72,34	126,96	
								2896
2080,00	2778,50	2757,10	2651	2712	32,42	72,26	126,82	
								3998
2082,00	2782,49	2761,09	2652	2714	32,35	72,11	126,57	
								3607
2084,00	2786,10	2764,70	2653	2715	32,30	71,99	126,37	
								3459
2086,00	2789,56	2768,16	2654	2716	32,25	71,88	126,18	
								3855
2088,00	2793,41	2772,01	2655	2717	32,19	71,75	125,95	
								3497
2090,00	2796,91	2775,51	2656	2718	32,14	71,64	125,76	
								3634
2092,00	2800,55	2779,15	2657	2719	32,08	71,52	125,55	
								3697
2094,00	2804,24	2782,84	2658	2720	32,03	71,40	125,34	
								3856
2096,00	2808,10	2786,70	2659	2721	31,97	71,26	125,11	
								3947
2098,00	2812,04	2790,64	2660	2723	31,90	71,12	124,87	
								3942
2100,00	2815,99	2794,59	2662	2724	31,84	70,98	124,63	
								3739
2102,00	2819,73	2798,33	2663	2725	31,78	70,86	124,42	
								3895
2104,00	2823,62	2802,22	2664	2727	31,72	70,73	124,18	
								3919
2106,00	2827,54	2806,14	2665	2728	31,66	70,59	123,95	
								3797
2108,00	2831,34	2809,94	2666	2729	31,60	70,47	123,73	
								3995
2110,00	2835,33	2813,93	2667	2731	31,54	70,33	123,49	

457108

TWO-WAY TRAVEL TIME FROM SRD MS	MEASURED DEPTH FROM KB M	VERTICAL DEPTH FROM SRD M	AVERAGE VELOCITY SRD/GEO M/S	RMS VELOCITY M/S	FIRST NORMAL MOVEOUT MS	SECOND NORMAL MOVEOUT MS	THIRD NORMAL MOVEOUT MS	INTERVAL VELOCITY M/S
2112,00	2839,18	2817,78	2668	2732	31,48	70,20	123,27	3844
2114,00	2843,10	2821,70	2670	2733	31,42	70,06	123,04	3921
2116,00	2846,75	2825,35	2670	2734	31,37	69,95	122,84	3655
2118,00	2850,64	2829,24	2672	2736	31,31	69,82	122,62	3886
2120,00	2854,53	2833,13	2673	2737	31,25	69,69	122,39	3892
2122,00	2858,39	2836,99	2674	2738	31,19	69,56	122,17	3859
2124,00	2862,28	2840,88	2675	2740	31,13	69,43	121,95	3892
2126,00	2866,39	2844,99	2676	2741	31,07	69,29	121,70	4109
2128,00	2870,41	2849,01	2678	2743	31,01	69,15	121,47	4024
2130,00	2874,24	2852,84	2679	2744	30,95	69,03	121,25	3822
2132,00	2878,10	2856,70	2680	2745	30,89	68,90	121,04	3868
2134,00	2882,17	2860,77	2681	2747	30,83	68,76	120,80	4068
2136,00	2885,93	2864,53	2682	2748	30,78	68,65	120,60	3756
2138,00	2889,72	2868,32	2683	2749	30,72	68,53	120,39	3789
2140,00	2893,54	2872,14	2684	2750	30,67	68,41	120,18	3818
2142,00	2897,59	2876,19	2686	2752	30,61	68,27	119,95	4053
2144,00	2901,61	2880,21	2687	2753	30,55	68,14	119,72	4022
2146,00	2905,66	2884,26	2688	2755	30,49	68,01	119,49	4045
2148,00	2909,77	2888,37	2689	2756	30,42	67,87	119,25	4116
2150,00	2913,71	2892,31	2691	2758	30,37	67,74	119,03	3937
2152,00	2917,50	2896,10	2692	2759	30,31	67,63	118,83	3791
2154,00	2921,24	2899,84	2693	2760	30,26	67,51	118,64	3739
2156,00	2924,28	2902,88	2693	2760	30,23	67,44	118,51	3046
2158,00	2927,55	2906,15	2693	2761	30,19	67,35	118,36	3263

457109

TWO-WAY TRAVEL TIME FROM SRD MS	MEASURED DEPTH FROM KB M	VERTICAL DEPTH FROM SRD M	AVERAGE VELOCITY SRD/GEO M/S	RMS VELOCITY M/S	FIRST NORMAL MOVEOUT MS	SECOND NORMAL MOVEOUT MS	THIRD NORMAL MOVEOUT MS	INTERVAL VELOCITY M/S
								3947
2160.00	2931.49	2910.09	2695	2762	30.13	67.23	118.15	
								4053
2162.00	2935.55	2914.15	2696	2763	30.08	67.10	117.92	
								4074
2164.00	2939.62	2918.22	2697	2765	30.02	66.97	117.69	
								3991
2166.00	2943.61	2922.21	2698	2766	29.96	66.84	117.48	
								4001
2168.00	2947.61	2926.21	2699	2768	29.90	66.71	117.26	
								3353
2170.00	2950.97	2929.57	2700	2768	29.86	66.63	117.11	
								4046
2172.00	2955.01	2933.61	2701	2770	29.80	66.50	116.88	
								3773
2174.00	2958.79	2937.39	2702	2771	29.75	66.39	116.69	
								3850
2176.00	2962.64	2941.24	2703	2772	29.70	66.27	116.49	
								3737
2178.00	2966.37	2944.97	2704	2773	29.65	66.16	116.31	
								3888
2180.00	2970.26	2948.86	2705	2774	29.60	66.05	116.11	
								3094
2182.00	2973.35	2951.95	2706	2775	29.57	65.97	115.98	
								3641
2184.00	2977.00	2955.60	2707	2776	29.52	65.87	115.80	
								3935
2186.00	2980.93	2959.53	2708	2777	29.47	65.75	115.60	
								3941
2188.00	2984.87	2963.47	2709	2778	29.41	65.64	115.39	
								3881
2190.00	2988.75	2967.35	2710	2779	29.36	65.52	115.20	
								3724
2192.00	2992.48	2971.08	2711	2780	29.31	65.42	115.02	
								3654
2194.00	2996.13	2974.73	2712	2781	29.27	65.32	114.84	
								3681
2196.00	2999.81	2978.41	2713	2782	29.22	65.22	114.67	
								3742
2198.00	3003.55	2982.15	2714	2783	29.17	65.11	114.48	
								3476
2200.00	3007.03	2985.63	2714	2784	29.13	65.02	114.33	
								3945
2202.00	3010.97	2989.57	2715	2785	29.08	64.90	114.13	
								3975
2204.00	3014.95	2993.55	2716	2786	29.03	64.79	113.93	
								3911
2206.00	3018.86	2997.46	2718	2788	28.98	64.67	113.73	

457110

TWO-WAY TRAVEL TIME FROM SRD MS	MEASURED DEPTH FROM KB M	VERTICAL DEPTH FROM SRD M	AVERAGE VELOCITY SRD/GEO M/S	RMS VELOCITY M/S	FIRST NORMAL MOVEOUT MS	SECOND NORMAL MOVEOUT MS	THIRD NORMAL MOVEOUT MS	INTERVAL VELOCITY M/S
2208.00	3022.72	3001.32	2719	2789	28.93	64.56	113.54	3856
2210.00	3026.73	3005.34	2720	2790	28.87	64.45	113.33	4019
2212.00	3030.62	3009.22	2721	2791	28.82	64.34	113.14	3882
2214.00	3034.38	3012.98	2722	2792	28.77	64.23	112.97	3759
2216.00	3038.22	3016.82	2723	2794	28.73	64.12	112.78	3847
2218.00	3042.24	3020.84	2724	2795	28.67	64.01	112.58	4015
2220.00	3045.97	3024.57	2725	2796	28.63	63.91	112.40	3732
2222.00	3049.54	3028.14	2726	2797	28.59	63.82	112.24	3572
2224.00	3053.67	3032.27	2727	2798	28.53	63.69	112.03	4125
2226.00	3057.85	3036.45	2728	2800	28.47	63.57	111.82	4178
2228.00	3061.69	3040.29	2729	2801	28.43	63.46	111.63	3845
2230.00	3065.64	3044.24	2730	2802	28.38	63.35	111.44	3948
2232.00	3068.91	3047.51	2731	2803	28.34	63.28	111.31	3269
2234.00	3072.98	3051.58	2732	2804	28.29	63.16	111.11	4076
2236.00	3076.89	3055.49	2733	2805	28.24	63.05	110.92	3908
2238.00	3080.87	3059.47	2734	2806	28.19	62.94	110.73	3977
2240.00	3084.83	3063.43	2735	2808	28.14	62.83	110.54	3963
2242.00	3088.69	3067.29	2736	2809	28.09	62.73	110.36	3855
2244.00	3092.60	3071.20	2737	2810	28.05	62.62	110.18	3913
2246.00	3096.54	3075.14	2738	2811	28.00	62.52	109.99	3940
2248.00	3100.68	3079.28	2740	2813	27.94	62.40	109.79	4137
2250.00	3105.76	3084.36	2742	2815	27.86	62.22	109.48	5081
2252.00	3109.83	3088.43	2743	2817	27.81	62.11	109.28	4075
2254.00	3112.72	3091.32	2743	2817	27.79	62.05	109.18	2887

457111

TWO-WAY TRAVEL TIME FROM SRD MS	MEASURED DEPTH FROM KB M	VERTICAL DEPTH FROM SRD M	AVERAGE VELOCITY SRD/GEO M/S	RMS VELOCITY M/S	FIRST NORMAL MOVEOUT MS	SECOND NORMAL MOVEOUT MS	THIRD NORMAL MOVEOUT MS	INTERVAL VELOCITY M/S
								3314
2256,00	3116,03	3094,63	2743	2817	27,75	61,98	109,06	
								3115
2258,00	3119,15	3097,75	2744	2818	27,72	61,91	108,94	
								3747
2260,00	3122,89	3101,49	2745	2819	27,68	61,82	108,78	
								3830
2262,00	3126,72	3105,32	2746	2820	27,64	61,72	108,61	
								3794
2264,00	3130,52	3109,12	2747	2821	27,59	61,62	108,44	
								3564
2266,00	3134,08	3112,68	2747	2821	27,55	61,54	108,29	
								3366
2268,00	3137,45	3116,05	2748	2822	27,52	61,46	108,16	
								3734
2270,00	3141,18	3119,78	2749	2823	27,48	61,37	108,00	
								3686
2272,00	3144,87	3123,47	2750	2824	27,44	61,28	107,85	
								3924
2274,00	3148,79	3127,39	2751	2825	27,39	61,17	107,67	
								3767
2276,00	3152,56	3131,16	2751	2826	27,35	61,08	107,51	
								3643
2278,00	3156,20	3134,80	2752	2827	27,31	60,99	107,36	
								3622
2280,00	3159,82	3138,42	2753	2827	27,27	60,91	107,21	
								3684
2282,00	3163,51	3142,11	2754	2828	27,23	60,82	107,05	
								3456
2284,00	3166,96	3145,56	2754	2829	27,19	60,74	106,92	
								3640
2286,00	3170,60	3149,20	2755	2830	27,15	60,66	106,77	
								3535
2288,00	3174,14	3152,74	2756	2830	27,12	60,57	106,63	
								3802
2290,00	3177,94	3156,54	2757	2831	27,08	60,48	106,47	
								3964
2292,00	3181,90	3160,51	2758	2833	27,03	60,38	106,29	
								3859
2294,00	3185,76	3164,36	2759	2834	26,99	60,28	106,12	
								3893
2296,00	3189,66	3168,26	2760	2835	26,94	60,19	105,96	
								3827
2298,00	3193,48	3172,08	2761	2836	26,90	60,09	105,79	
								3969
2300,00	3197,45	3176,05	2762	2837	26,85	59,99	105,62	
								3777
2302,00	3201,23	3179,83	2763	2838	26,81	59,90	105,46	

457112

TWO-WAY TRAVEL TIME FROM SRD MS	MEASURED DEPTH FROM KB M	VERTICAL DEPTH FROM SRD M	AVERAGE VELOCITY SRD/GEO M/S	RMS VELOCITY M/S	FIRST NORMAL MOVEOUT MS	SECOND NORMAL MOVEOUT MS	THIRD NORMAL MOVEOUT MS	INTERVAL VELOCITY M/S
2304.00	3205.00	3183.60	2764	2839	26.77	59.81	105.31	3772
2306.00	3208.37	3186.97	2764	2839	26.74	59.74	105.18	3368
2308.00	3212.12	3190.72	2765	2840	26.70	59.65	105.03	3746
2310.00	3215.93	3194.53	2766	2841	26.66	59.56	104.87	3811
2312.00	3219.56	3198.16	2767	2842	26.62	59.48	104.73	3632
2314.00	3223.41	3202.01	2768	2843	26.58	59.39	104.57	3848
2316.00	3226.96	3205.56	2768	2844	26.54	59.31	104.43	3548
2318.00	3230.47	3209.07	2769	2844	26.51	59.23	104.30	3517
2320.00	3234.28	3212.88	2770	2845	26.47	59.14	104.14	3811
2322.00	3238.07	3216.67	2771	2846	26.43	59.05	103.99	3782
2324.00	3241.06	3219.66	2771	2846	26.40	59.00	103.90	2991
2326.00	3244.93	3223.53	2772	2847	26.36	58.91	103.74	3876
2328.00	3248.68	3227.28	2773	2848	26.32	58.82	103.59	3742
2330.00	3252.46	3231.06	2773	2849	26.28	58.73	103.44	3789
2332.00	3256.28	3234.88	2774	2850	26.24	58.65	103.28	3818
2334.00	3260.16	3238.76	2775	2851	26.20	58.55	103.12	3881
2336.00	3264.06	3242.66	2776	2852	26.16	58.46	102.96	3900
2338.00	3267.74	3246.34	2777	2853	26.12	58.38	102.82	3675
2340.00	3271.60	3250.20	2778	2854	26.08	58.29	102.67	3857
2342.00	3276.14	3254.74	2779	2856	26.03	58.17	102.45	4543
2344.00	3280.41	3259.01	2781	2858	25.98	58.06	102.26	4266
2346.00	3284.25	3262.85	2782	2859	25.94	57.97	102.11	3845
2348.00	3288.16	3266.76	2783	2860	25.90	57.88	101.95	3905
2350.00	3291.85	3270.45	2783	2860	25.86	57.80	101.81	3690

457113

TWO-WAY TRAVEL TIME FROM SRD MS	MEASURED DEPTH FROM KB M	VERTICAL DEPTH FROM SRD M	AVERAGE VELOCITY SRD/GEO M/S	RMS VELOCITY M/S	FIRST NORMAL MOVEOUT MS	SECOND NORMAL MOVEOUT MS	THIRD NORMAL MOVEOUT MS	INTERVAL VELOCITY M/S
								3602
2352,00	3295,45	3274,05	2784	2861	25,83	57,72	101,68	
								3927
2354,00	3299,38	3277,97	2785	2862	25,79	57,63	101,52	
								3817
2356,00	3303,19	3281,79	2786	2863	25,75	57,55	101,38	
								3596
2358,00	3306,79	3285,39	2787	2864	25,71	57,47	101,24	
								3706
2360,00	3310,49	3289,09	2787	2865	25,68	57,39	101,11	
								3754
2362,00	3314,25	3292,85	2788	2866	25,64	57,31	100,96	
								3780
2364,00	3318,03	3296,63	2789	2866	25,60	57,23	100,82	
								3677
2366,00	3321,70	3300,30	2790	2867	25,57	57,15	100,68	
								3901
2368,00	3325,60	3304,20	2791	2868	25,53	57,06	100,53	
								3886
2370,00	3329,49	3308,09	2792	2869	25,49	56,98	100,38	
								3945
2372,00	3333,44	3312,04	2793	2870	25,45	56,89	100,23	
								3812
2374,00	3337,25	3315,85	2793	2871	25,41	56,80	100,08	
								3797
2376,00	3341,04	3319,64	2794	2872	25,37	56,72	99,94	
								3841
2378,00	3344,89	3323,49	2795	2873	25,34	56,64	99,79	
								3764
2380,00	3348,65	3327,25	2796	2874	25,30	56,56	99,65	
								3772
2382,00	3352,42	3331,02	2797	2875	25,26	56,48	99,51	
								3672
2384,00	3356,09	3334,69	2798	2876	25,23	56,40	99,38	
								3724
2386,00	3359,82	3338,42	2798	2876	25,19	56,32	99,25	
								3700
2388,00	3363,52	3342,12	2799	2877	25,16	56,25	99,11	
								3660
2390,00	3367,18	3345,78	2800	2878	25,13	56,17	98,99	
								3563
2392,00	3370,74	3349,34	2800	2879	25,09	56,10	98,86	
								3692
2394,00	3374,43	3353,03	2801	2879	25,06	56,03	98,73	
								3569
2396,00	3378,00	3356,60	2802	2880	25,03	55,96	98,61	
								3817
2398,00	3381,82	3360,42	2803	2881	24,99	55,87	98,47	

457114

TWO-WAY TRAVEL TIME FROM SRD MS	MEASURED DEPTH FROM KB M	VERTICAL DEPTH FROM SRD M	AVERAGE VELOCITY SRD/GEO M/S	RMS VELOCITY M/S	FIRST NORMAL MOVEOUT MS	SECOND NORMAL MOVEOUT MS	THIRD NORMAL MOVEOUT MS	INTERVAL VELOCITY M/S
								3586
2400,00	3385,40	3364,00	2803	2882	24,96	55,80	98,35	
								3572
2402,00	3388,98	3367,58	2804	2882	24,93	55,73	98,22	
								3668
2404,00	3392,64	3371,24	2805	2883	24,90	55,66	98,10	
								3608
2406,00	3396,25	3374,85	2805	2884	24,86	55,59	97,97	
								3281
2408,00	3399,53	3378,13	2806	2884	24,84	55,53	97,87	
								3848
2410,00	3403,38	3381,98	2807	2885	24,80	55,45	97,73	
								3224
2412,00	3406,61	3385,21	2807	2885	24,78	55,39	97,63	
								3760
2414,00	3410,37	3388,97	2808	2886	24,74	55,32	97,50	
								3588
2416,00	3413,95	3392,55	2808	2887	24,71	55,25	97,38	
								3397
2418,00	3417,35	3395,95	2809	2887	24,68	55,19	97,27	
								3704
2420,00	3421,05	3399,65	2810	2888	24,65	55,11	97,14	
								3666
2422,00	3424,72	3403,32	2810	2889	24,62	55,04	97,02	
								3730
2424,00	3428,45	3407,05	2811	2889	24,58	54,97	96,89	
								3654
2426,00	3432,10	3410,70	2812	2890	24,55	54,89	96,77	
								3624
2428,00	3435,73	3414,33	2812	2891	24,52	54,83	96,64	
								3780
2430,00	3439,51	3418,11	2813	2892	24,48	54,75	96,51	
								3552
2432,00	3443,06	3421,66	2814	2892	24,45	54,68	96,40	
								3594
2434,00	3446,65	3425,25	2815	2893	24,42	54,61	96,28	
								3637
2436,00	3450,29	3428,89	2815	2894	24,39	54,54	96,16	
								3658
2438,00	3453,95	3432,55	2816	2894	24,36	54,47	96,03	
								3661
2440,00	3457,61	3436,21	2817	2895	24,33	54,40	95,91	
								3706
2442,00	3461,31	3439,91	2817	2896	24,30	54,33	95,79	
								3701
2444,00	3465,02	3443,62	2818	2897	24,26	54,26	95,66	
								3797
2446,00	3468,81	3447,41	2819	2897	24,23	54,19	95,53	

457115

TWO-WAY TRAVEL TIME FROM SRD MS	MEASURED DEPTH FROM KB M	VERTICAL DEPTH FROM SRD M	AVERAGE VELOCITY SRD/GEO M/S	RMS VELOCITY M/S	FIRST NORMAL MOVEOUT MS	SECOND NORMAL MOVEOUT MS	THIRD NORMAL MOVEOUT MS	INTERVAL VELOCITY M/S
2448.00	3472.58	3451.18	2820	2898	24.20	54.11	95.41	3768
2450.00	3476.14	3454.74	2820	2899	24.17	54.05	95.29	3561
2452.00	3479.76	3458.36	2821	2899	24.14	53.98	95.17	3620
2454.00	3483.38	3461.98	2821	2900	24.11	53.91	95.06	3615
2456.00	3486.89	3465.49	2822	2901	24.08	53.85	94.95	3515
2458.00	3490.37	3468.97	2823	2901	24.05	53.79	94.84	3480
2460.00	3494.10	3472.70	2823	2902	24.02	53.72	94.72	3729
2462.00	3497.81	3476.41	2824	2903	23.99	53.65	94.59	3709
2464.00	3501.93	3480.53	2825	2904	23.95	53.56	94.44	4117
2466.00	3505.98	3484.58	2826	2905	23.91	53.48	94.30	4053
2468.00	3509.55	3488.15	2827	2906	23.88	53.41	94.19	3568
2470.00	3513.21	3491.81	2827	2906	23.85	53.35	94.07	3662
2472.00	3516.70	3495.30	2828	2907	23.82	53.28	93.96	3491
2474.00	3520.54	3499.14	2829	2908	23.79	53.21	93.84	3836
2476.00	3524.18	3502.78	2829	2908	23.76	53.14	93.72	3642
2478.00	3527.81	3506.41	2830	2909	23.73	53.08	93.61	3629
2480.00	3531.36	3509.96	2831	2910	23.70	53.02	93.50	3550
2482.00	3534.87	3513.47	2831	2910	23.67	52.96	93.39	3515
2484.00	3538.41	3517.01	2832	2911	23.65	52.89	93.28	3542
2486.00	3542.36	3520.96	2833	2912	23.61	52.82	93.15	3947
2488.00	3546.19	3524.79	2833	2913	23.58	52.74	93.02	3824
2490.00	3549.81	3528.41	2834	2913	23.55	52.68	92.91	3626
2492.00	3553.30	3531.90	2835	2914	23.52	52.62	92.81	3490
2494.00	3556.89	3535.49	2835	2914	23.49	52.56	92.70	3587

457116

TWO-WAY TRAVEL TIME FROM SRD MS	MEASURED DEPTH FROM KB M	VERTICAL DEPTH FROM SRD M	AVERAGE VELOCITY SRD/GEO M/S	RMS VELOCITY M/S	FIRST NORMAL MOVEOUT MS	SECOND NORMAL MOVEOUT MS	THIRD NORMAL MOVEOUT MS	INTERVAL VELOCITY M/S
2496,00	3560,45	3539,05	2836	2915	23,47	52,50	92,59	3564
2498,00	3563,96	3542,56	2836	2915	23,44	52,44	92,49	3509
2500,00	3567,51	3546,11	2837	2916	23,41	52,37	92,38	3545
2502,00	3571,01	3549,61	2837	2916	23,39	52,32	92,28	3506
2504,00	3574,45	3553,05	2838	2917	23,36	52,26	92,18	3437
2506,00	3577,87	3556,47	2838	2917	23,33	52,20	92,08	3423
2508,00	3581,33	3559,93	2839	2918	23,31	52,14	91,98	3459
2510,00	3584,84	3563,44	2839	2918	23,28	52,09	91,88	3511
2512,00	3588,40	3567,01	2840	2919	23,25	52,02	91,77	3561
2514,00	3592,06	3570,66	2841	2920	23,23	51,96	91,66	3657
2516,00	3595,48	3574,08	2841	2920	23,20	51,91	91,56	3414
2518,00	3599,12	3577,72	2842	2921	23,17	51,84	91,45	3647
2520,00	3602,91	3581,51	2842	2921	23,14	51,77	91,33	3783
2522,00	3606,63	3585,23	2843	2922	23,11	51,71	91,22	3729
2524,00	3610,35	3588,95	2844	2923	23,08	51,64	91,11	3714
2526,00	3614,03	3592,63	2845	2924	23,05	51,58	90,99	3680
2528,00	3617,80	3596,40	2845	2924	23,02	51,51	90,88	3774
2530,00	3621,51	3600,11	2846	2925	22,99	51,45	90,77	3705
2532,00	3624,99	3603,59	2846	2926	22,97	51,39	90,67	3485
2534,00	3628,54	3607,14	2847	2926	22,94	51,33	90,56	3551
2536,00	3632,11	3610,71	2848	2927	22,92	51,27	90,46	3564
2538,00	3635,92	3614,52	2848	2927	22,88	51,21	90,34	3810
2540,00	3639,71	3618,31	2849	2928	22,85	51,14	90,23	3797
2542,00	3643,50	3622,10	2850	2929	22,83	51,07	90,11	3786

457117

TWO-WAY TRAVEL TIME FROM SRD MS	MEASURED DEPTH FROM KB M	VERTICAL DEPTH FROM SRD M	AVERAGE VELOCITY SRD/GEO M/S	RMS VELOCITY M/S	FIRST NORMAL MOVEOUT MS	SECOND NORMAL MOVEOUT MS	THIRD NORMAL MOVEOUT MS	INTERVAL VELOCITY M/S
								3773
2544.00	3647.27	3625.87	2851	2930	22.80	51.01	90.00	
								3762
2546.00	3651.04	3629.64	2851	2931	22.77	50.94	89.89	
								3750
2548.00	3654.79	3633.38	2852	2931	22.74	50.88	89.77	
								3737
2550.00	3658.52	3637.12	2853	2932	22.71	50.82	89.66	
								3767
2552.00	3662.29	3640.89	2853	2933	22.68	50.75	89.55	
								3551
2554.00	3665.84	3644.44	2854	2933	22.65	50.69	89.45	
								3763
2556.00	3669.60	3648.20	2855	2934	22.62	50.63	89.34	
								3772
2558.00	3673.38	3651.98	2855	2935	22.60	50.56	89.22	
								3739
2560.00	3677.11	3655.71	2856	2935	22.57	50.50	89.11	
								3780
2562.00	3680.90	3659.49	2857	2936	22.54	50.44	89.00	
								3719
2564.00	3684.61	3663.21	2857	2937	22.51	50.37	88.89	
								3767
2566.00	3688.38	3666.98	2858	2938	22.48	50.31	88.78	
								3673
2568.00	3692.05	3670.65	2859	2938	22.45	50.25	88.68	
								3901
2570.00	3695.95	3674.56	2860	2939	22.42	50.18	88.56	
								3620
2572.00	3699.58	3678.18	2860	2940	22.40	50.13	88.46	
								3718
2574.00	3703.29	3681.89	2861	2940	22.37	50.06	88.35	
								3356
2576.00	3706.65	3685.25	2861	2941	22.35	50.01	88.26	
								3460
2578.00	3710.11	3688.71	2862	2941	22.32	49.96	88.17	
								3317
2580.00	3713.43	3692.03	2862	2942	22.30	49.91	88.09	
								3589
2582.00	3717.02	3695.62	2863	2942	22.28	49.86	87.99	
								3573
2584.00	3720.59	3699.19	2863	2943	22.25	49.80	87.89	
								3484
2586.00	3724.07	3702.67	2864	2943	22.23	49.75	87.80	
								3764
2588.00	3727.84	3706.44	2864	2944	22.20	49.69	87.69	
								3720
2590.00	3731.56	3710.16	2865	2944	22.17	49.62	87.59	

457118

TWO-WAY TRAVEL TIME FROM SRD MS	MEASURED DEPTH FROM KB M	VERTICAL DEPTH FROM SRD M	AVERAGE VELOCITY SRD/GEO M/S	RMS VELOCITY M/S	FIRST NORMAL MOVEOUT MS	SECOND NORMAL MOVEOUT MS	THIRD NORMAL MOVEOUT MS	INTERVAL VELOCITY M/S
								3768
2592,00	3735,33	3713,93	2866	2945	22,14	49,56	87,48	
								3598
2594,00	3738,92	3717,52	2866	2946	22,12	49,51	87,38	
								3430
2596,00	3742,35	3720,95	2867	2946	22,10	49,46	87,29	
								3742
2598,00	3746,10	3724,70	2867	2947	22,07	49,40	87,19	
								3360
2600,00	3749,46	3728,06	2868	2947	22,05	49,35	87,10	
								3766
2602,00	3753,22	3731,82	2868	2948	22,02	49,29	87,00	
								3456
2604,00	3756,68	3735,28	2869	2948	22,00	49,23	86,91	
								3691
2606,00	3760,37	3738,97	2870	2949	21,97	49,18	86,80	
								3673
2608,00	3764,04	3742,64	2870	2950	21,94	49,12	86,70	
								3831
2610,00	3767,87	3746,47	2871	2950	21,92	49,06	86,59	
								3866
2612,00	3771,74	3750,34	2872	2951	21,89	48,99	86,48	
								3712
2614,00	3775,45	3754,05	2872	2952	21,86	48,93	86,38	
								3667
2616,00	3779,12	3757,72	2873	2952	21,84	48,88	86,28	
								3627
2618,00	3782,74	3761,34	2873	2953	21,81	48,82	86,19	
								3835
2620,00	3786,58	3765,18	2874	2954	21,78	48,76	86,08	
								3863
2622,00	3790,44	3769,04	2875	2955	21,75	48,70	85,97	
								3652
2624,00	3794,09	3772,69	2876	2955	21,73	48,64	85,87	
								3789
2626,00	3797,88	3776,48	2876	2956	21,70	48,58	85,77	
								3962
2628,00	3801,85	3780,45	2877	2957	21,67	48,52	85,65	
								3847
2630,00	3805,69	3784,29	2878	2958	21,64	48,46	85,54	
								3427
2632,00	3809,12	3787,72	2878	2958	21,62	48,41	85,46	
								3472
2634,00	3812,59	3791,19	2879	2958	21,60	48,36	85,37	
								3892
2636,00	3816,48	3795,08	2879	2959	21,57	48,29	85,26	
								3500
2638,00	3819,98	3798,58	2880	2960	21,55	48,24	85,18	

457119

TWO-WAY TRAVEL TIME FROM SRD MS	MEASURED DEPTH FROM KB M	VERTICAL DEPTH FROM SRD M	AVERAGE VELOCITY SRD/GEO M/S	RMS VELOCITY M/S	FIRST NORMAL MOVEOUT MS	SECOND NORMAL MOVEOUT MS	THIRD NORMAL MOVEOUT MS	INTERVAL VELOCITY M/S
2640,00	3823,77	3802,37	2881	2960	21,52	48,18	85,07	3782
2642,00	3827,13	3805,73	2881	2961	21,50	48,14	84,99	3364
2644,00	3830,79	3809,39	2882	2961	21,48	48,08	84,90	3659
2646,00	3834,47	3813,07	2882	2962	21,45	48,03	84,80	3678
2648,00	3838,21	3816,81	2883	2963	21,43	47,97	84,70	3742
2650,00	3841,61	3820,21	2883	2963	21,41	47,92	84,62	3404
2652,00	3845,34	3823,94	2884	2964	21,38	47,87	84,52	3722
2654,00	3848,87	3827,47	2884	2964	21,36	47,82	84,43	3536
2656,00	3852,37	3830,97	2885	2964	21,34	47,77	84,35	3499
2658,00	3855,62	3834,22	2885	2965	21,32	47,73	84,27	3248
2660,00	3859,17	3837,77	2886	2965	21,29	47,67	84,18	3549
2662,00	3862,83	3841,43	2886	2966	21,27	47,62	84,09	3661
2664,00	3866,27	3844,87	2887	2966	21,25	47,57	84,01	3444
2666,00	3869,81	3848,41	2887	2967	21,23	47,52	83,92	3535
2668,00	3873,36	3851,96	2888	2967	21,20	47,47	83,83	3547
2670,00	3877,26	3855,86	2888	2968	21,18	47,41	83,73	3906
2672,00	3881,12	3859,72	2889	2969	21,15	47,35	83,62	3860
2674,00	3885,00	3863,60	2890	2969	21,12	47,29	83,52	3881
2676,00	3889,38	3867,98	2891	2971	21,09	47,22	83,39	4371
2678,00	3893,69	3872,29	2892	2972	21,05	47,15	83,26	4309
2680,00	3897,92	3876,52	2893	2973	21,02	47,07	83,13	4237
2682,00	3902,18	3880,78	2894	2974	20,99	47,00	83,01	4257
2684,00	3906,31	3884,91	2895	2975	20,96	46,94	82,89	4135
2686,00	3910,51	3889,11	2896	2976	20,93	46,87	82,77	4200

457120

TWO-WAY TRAVEL TIME FROM SRD MS	MEASURED DEPTH FROM KB M	VERTICAL DEPTH FROM SRD M	AVERAGE VELOCITY SRD/GEO M/S	RMS VELOCITY M/S	FIRST NORMAL MOVEOUT MS	SECOND NORMAL MOVEOUT MS	THIRD NORMAL MOVEOUT MS	INTERVAL VELOCITY M/S
2688,00	3914,85	3893,45	2897	2978	20,90	46,80	82,65	4335
2690,00	3919,15	3897,75	2898	2979	20,87	46,72	82,52	4305
2692,00	3923,50	3902,10	2899	2980	20,83	46,65	82,39	4344
2694,00	3927,93	3906,53	2900	2981	20,80	46,58	82,26	4434
2696,00	3932,73	3911,33	2902	2983	20,76	46,49	82,11	4798
2698,00	3937,43	3916,03	2903	2985	20,72	46,40	81,96	4697
2700,00	3941,79	3920,39	2904	2986	20,69	46,33	81,83	4364
2702,00	3946,08	3924,68	2905	2987	20,66	46,26	81,71	4294
2704,00	3949,81	3928,41	2906	2988	20,63	46,21	81,62	3722
2706,00	3953,99	3932,59	2907	2989	20,60	46,14	81,50	4188
2708,00	3957,94	3936,54	2907	2990	20,58	46,08	81,40	3945
2710,00	3962,03	3940,63	2908	2991	20,55	46,02	81,29	4087
2712,00	3965,93	3944,53	2909	2992	20,52	45,96	81,19	3901
2714,00	3970,04	3948,64	2910	2993	20,50	45,90	81,08	4112
2716,00	3974,17	3952,77	2911	2994	20,47	45,84	80,97	4133
2718,00	3978,10	3956,70	2911	2994	20,44	45,78	80,87	3932
2720,00	3982,14	3960,74	2912	2995	20,41	45,72	80,76	4038
2722,00	3986,30	3964,90	2913	2996	20,38	45,65	80,65	4161
2724,00	3990,63	3969,23	2914	2997	20,35	45,59	80,53	4326
2726,00	3994,87	3973,47	2915	2999	20,32	45,52	80,41	4246
2728,00	3999,00	3977,60	2916	3000	20,30	45,46	80,30	4122
2730,00	4003,20	3981,80	2917	3001	20,27	45,39	80,19	4199
2732,00	4007,40	3986,00	2918	3002	20,24	45,33	80,08	4206
2734,00	4011,53	3990,13	2919	3003	20,21	45,27	79,97	4132

TWO-WAY TRAVEL TIME FROM SRD MS	MEASURED DEPTH FROM KB M	VERTICAL DEPTH FROM SRD M	AVERAGE VELOCITY SRD/GEO M/S	RMS VELOCITY M/S	FIRST NORMAL MOVEOUT MS	SECOND NORMAL MOVEOUT MS	THIRD NORMAL MOVEOUT MS	INTERVAL VELOCITY M/S
2736,00	4015,57	3994,17	2920	3003	20,18	45,21	79,87	4036
2738,00	4019,65	3998,25	2921	3004	20,16	45,15	79,76	4083
2740,00	4023,82	4002,42	2921	3005	20,13	45,08	79,65	4168
2742,00	4028,09	4006,69	2922	3007	20,10	45,02	79,54	4266
2744,00	4032,31	4010,91	2923	3008	20,07	44,96	79,43	4228
2746,00	4036,35	4014,95	2924	3008	20,04	44,90	79,32	4031
2748,00	4040,74	4019,34	2925	3010	20,01	44,83	79,20	4399
2750,00	4045,09	4023,69	2926	3011	19,98	44,76	79,09	4342
2752,00	4049,18	4027,78	2927	3012	19,96	44,70	78,98	4091
2754,00	4053,53	4032,13	2928	3013	19,93	44,64	78,87	4350
2756,00	4057,95	4036,55	2929	3014	19,90	44,57	78,74	4425
2758,00	4062,31	4040,91	2930	3015	19,87	44,50	78,63	4354
2760,00	4066,64	4045,24	2931	3017	19,84	44,43	78,51	4329
2762,00	4070,89	4049,49	2932	3018	19,81	44,37	78,40	4255
2764,00	4075,08	4053,68	2933	3019	19,78	44,31	78,30	4185
2766,00	4079,33	4057,93	2934	3020	19,75	44,25	78,18	4259
2768,00	4083,70	4062,30	2935	3021	19,72	44,18	78,07	4370
2770,00	4087,95	4066,55	2936	3022	19,69	44,12	77,96	4251
2772,00	4092,15	4070,75	2937	3023	19,67	44,06	77,85	4195
2774,00	4096,31	4074,91	2938	3024	19,64	44,00	77,75	4162
2776,00	4100,61	4079,21	2939	3025	19,61	43,93	77,64	4301
2778,00	4104,93	4083,53	2940	3026	19,58	43,87	77,53	4316
2780,00	4109,21	4087,81	2941	3027	19,56	43,81	77,42	4276
2782,00	4113,40	4092,00	2942	3028	19,53	43,75	77,31	4197

TWO-WAY TRAVEL TIME FROM SRD MS	MEASURED DEPTH FROM KB M	VERTICAL DEPTH FROM SRD M	AVERAGE VELOCITY SRD/GEO M/S	RMS VELOCITY M/S	FIRST NORMAL MOVEOUT MS	SECOND NORMAL MOVEOUT MS	THIRD NORMAL MOVEOUT MS	INTERVAL VELOCITY M/S
2784,00	4117,94	4096,54	2943	3030	19,50	43,68	77,19	4536
2786,00	4122,52	4101,12	2944	3031	19,47	43,61	77,07	4584
2788,00	4126,97	4105,57	2945	3032	19,44	43,54	76,95	4452
2790,00	4131,14	4109,74	2946	3033	19,41	43,48	76,85	4166
2792,00	4135,41	4114,01	2947	3034	19,38	43,42	76,74	4273
2794,00	4139,41	4118,01	2948	3035	19,36	43,37	76,65	3995
2796,00	4143,60	4122,20	2949	3036	19,33	43,31	76,55	4190
2798,00	4147,79	4126,39	2950	3037	19,31	43,25	76,44	4187
2800,00	4151,99	4130,59	2950	3038	19,28	43,19	76,34	4202
2802,00	4156,03	4134,63	2951	3039	19,26	43,14	76,25	4042
2804,00	4160,16	4138,76	2952	3040	19,23	43,08	76,15	4129
2806,00	4164,39	4142,99	2953	3041	19,20	43,03	76,05	4230
2808,00	4168,67	4147,27	2954	3042	19,18	42,97	75,94	4281
2810,00	4173,00	4151,60	2955	3043	19,15	42,90	75,83	4334
2812,00	4177,20	4155,80	2956	3044	19,12	42,85	75,73	4198
2814,00	4181,41	4160,01	2957	3045	19,10	42,79	75,63	4206
2816,00	4185,60	4164,20	2958	3046	19,07	42,73	75,53	4195
2818,00	4189,78	4168,38	2958	3047	19,05	42,68	75,43	4180
2820,00	4193,82	4172,42	2959	3048	19,02	42,62	75,34	4035
2822,00	4197,97	4176,57	2960	3049	19,00	42,57	75,25	4148
2824,00	4202,06	4180,66	2961	3050	18,97	42,52	75,15	4092
2826,00	4206,41	4185,01	2962	3051	18,95	42,45	75,05	4348
2828,00	4210,54	4189,14	2963	3052	18,92	42,40	74,95	4135
2830,00	4214,83	4193,43	2964	3053	18,90	42,34	74,85	4290

457123

TWO-WAY TRAVEL TIME FROM SRD MS	MEASURED DEPTH FROM KB M	VERTICAL DEPTH FROM SRD M	AVERAGE VELOCITY SRD/GEO M/S	RMS VELOCITY M/S	FIRST NORMAL MOVEOUT MS	SECOND NORMAL MOVEOUT MS	THIRD NORMAL MOVEOUT MS	INTERVAL VELOCITY M/S
2832.00	4218.95	4197.55	2964	3054	18.87	42.29	74.75	4116
2834.00	4223.11	4201.71	2965	3054	18.85	42.23	74.66	4164
2836.00	4227.26	4205.86	2966	3055	18.82	42.18	74.56	4146
2838.00	4231.41	4210.01	2967	3056	18.80	42.12	74.47	4156
2840.00	4235.49	4214.09	2968	3057	18.78	42.07	74.38	4080
2842.00	4239.71	4218.31	2969	3058	18.75	42.02	74.28	4220
2844.00	4243.46	4222.06	2969	3059	18.73	41.97	74.20	3750
2846.00	4247.55	4226.15	2970	3060	18.71	41.92	74.11	4086

ANALYST: R.BUNT 11-MAR-86 17:16:38 PROGRAM: GTRFRM 007.E08

457124

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*   SCHLUMBERGER   *
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SYNTHETIC SEISMOGRAM TABLE

COMPANY : AMOCO AUSTRALIA PETROLEUM CO
WELL : PELICAN #5
COUNTY : TASMANIA
STATE : D.M.EPOCH
COUNTRY : AUSTRALIA
REFERENCE: FS2A.540,393

ATTACHMENT 9

457125

THE HEADINGS AND FLAGS SHOWN IN THE DATA LIST ARE DEFINED AS FOLLOWS:

IGEOFL- FLAG INDICATING MODE OF PROCESSING
IGEOFL = 0   WST DATA AVAILABLE AND PROCESSED
IGEOFL = 1   WST DATA NOT AVAILABLE

LOG INPUT DATA :
GRF001- CHANNEL NAME FOR INPUT DENSITY LOG DATA
GTR001- CHANNEL NAME FOR INPUT SONIC LOG DATA
GCURVE- CORRELATION LOG NAMES

USER DEFINED MODELING

LOFVEL- LAYER OPTION FLAG FOR VELOCITY
LOFDEN- LAYER OPTION FLAG FOR DENSITY
LAYVEL- LAYERED VELOCITY VALUES FOR USER SUPPLIED ZONE LIMIT WITH RESPECT TO SONIC LOG DATA
LAYDEN- LAYERED DENSITY VALUES FOR USER SUPPLIED ZONE LIMITS WITH RESPECT TO SONIC LOG DATA
UNERTH- UNIFORM EARTH VELOCITY
UNFDEN- UNIFORM EARTH DENSITY
SRATE   SAMPLING RATE IN MS
INIDEP START DEPTH FOR COMPUTING SYNTHETIC SEISMOGRAM WITH RESPECT TO SONIC LOG DATA
IGESTP STOP DEPTH FOR COMPUTING SYNTHETIC SEISMOGRAM WITH RESPECT TO SONIC LOG DATA
INITAU TWO WAY TRAVEL TIME FROM TOP SONIC TO SRD
EKB   ELEVATION OF KELLY BUSHING WITH RESPECT TO MEAN SEA LEVEL
SRDGEO SEISMIC REFERENCE DEPTH WITH RESPECT TO MEAN SEA LEVEL
ICDP   FLAG FOR COMPUTING RESIDUAL MULTIPLES
CDPTIM TWO WAY TIME INTERVAL FOR COMPUTATION OF RESIDUAL MULTIPLES
SCRTIM SURFACE REFLECTOR TWO WAY TIME ABOVE INITAU
SCREFL SURFACE REFLECTION COEFFICIENT
RCMAX   REFLECTION COEFFICIENTS THAT ARE EQUAL TO OR GREATER THAN THIS VALUE SHALL BE FLAGGED

NOTE IN CASE OF MODELING A SYNTHETIC SEISMOGRAM WITHOUT SONIC LOG DATA ,THE DEPTH REFERENCES SHALL BE USER DEFINED

OUTPUT DATA

RMSVWE ROOT MEAN SQUARE VELOCITY FOUND FOR THE WELL
SRDTIM TWO WAY TRANSIT TIME BETWEEN INIDEP AND SRDGEO

CHANNNEL NAMES

457126

TWOT- TWO WAY TRAVEL TIME
DSRD- DEPTH OF COMPUTED DATA WITH RESPECT TO SRD
INTV- INTERVAL VELOCITY ON A TIME SCALE
RHOT- INTERVAL DENSITY ON A TIME SCALE
REFL- REFLECTION COEFFICIENT AT GIVEN TWO WAY TRAVEL TIMES
ATTE- ATTENUATION COEFFICIENT AT GIVEN TWO WAY TRAVEL TIMES
PRIM- SYNTHETIC SEISMOGRAM - PRIMARIES
MULT- SYNTHETIC SEISMOGRAM - PRIMARIES + MULTIPLES
MUON- MULTIPLES ONLY

CHANNEL NAMES

CHAN 1 - TWOT.GMU.002.*
CHAN 2 - DSRD.GRF.006.*
CHAN 3 - INTV.GRF.007.*
CHAN 4 - RHOT.GRF.001.*
CHAN 5 - REFL.GRF.001.*
CHAN 6 - ATTE.GRF.001.*
CHAN 7 - PRIM.GRF.001.*
CHAN 8 - MULT.GMU.001.*
CHAN 9 - MUON.GMU.001.*

(GLOBAL PARAMETERS)			(VALUE)	
MODE OF PROC (GEOGRAM)	IGEOFL	:	0	
INITIALIZE CDP LOGIC	ICDP	:	0	
CDP TIME	CDPTIM	:	.200000	S
TIME SAMPLING (WST)	SRATE	:	2.00000	MS
TOP DEPTH OF PROCESSING	INIDEP	:	378.600	M
BOTTOM DEPTH OF PROCESSI	IGESTP	:	4228.50	M
INITIAL TWO WAY TRAVEL T	INITAU	:	.389760	S
SRD FOR GEOGRAM	SRDGEO	:	-30479.7	M
ELEVATION OF KELLY BUSHI	EKB	:	0	M
SRD TIME	SRDTIM	:	0	MS
SURFACE COEFFICIENT OF R	SCRTIM	:	0	MS
SURFACE COEFFICIENT OF R	SCREFL	:	-1.00000	
REFLECTION COEFF MAXIMUM	RCMAX	:	.300000	
RMS VELOCITY IN WELL	RMSVWE	:	3204.45	M/S
UNIFORM EARTH VELOCITY	UNERTH	:	2133.60	M/S
UNIFORM DENSITY VALUE	UNFDEN	:	2.30000	G/C3

457127

(MATRIX PARAMETERS)

1 GR*
2 CALI*

(ZONED PARAMETERS)		(VALUE)		(LIMITS)		
LAYER OPTION FLAG DENS	LOFDEN	:-1.000000		30479.7	-	0
LAYER OPTION FLAG VELOC	LOFVEL	: 1.000000		30479.7	-	0
USER SUPPLIED DENSITY DA	LAYDEN	:-999.2500	G/C3	30479.7	-	0
USER VELOC (WST)	LAYVEL	: 1773.000	M/S	30479.7	-	0

457128

TWO WAY TRAVEL TIME MS	DEPTH FROM SRD (OR TOP) M	INTERVAL VELOCITY M/S	INTERVAL DENSITY G/C3	REFLECT. COEFF.	TWO WAY ATTEN. COEFF.	SYNTHETIC SEISMO. PRIMARY	PRIMARY + MULTIPLES	MULTIPLES ONLY
		2451	2,192					
391.8	381.05			0	1.00000	.00047	.00047	0
		2454	2,192					
393.8	383.51			0	1.00000	0	0	0
		2454	2,192					
395.8	385.96			0	1.00000	0	0	0
		2454	2,192					
397.8	388.41			-.003	.99999	-.00349	-.00349	0
		2437	2,192					
399.8	390.85			-.002	.99998	-.00242	-.00242	0
		2425	2,192					
401.8	393.27			.002	.99998	.00190	.00190	0
		2434	2,192					
403.8	395.71			-.004	.99996	-.00411	-.00411	0
		2414	2,192					
405.8	398.12			-.005	.99994	-.00499	-.00499	-.00001
		2390	2,192					
407.8	400.51			0	.99994	-.00029	-.00031	-.00001
		2389	2,192					
409.8	402.90			.019	.99956	.01937	.01938	.00001
		2483	2,192					
411.8	405.38			-.003	.99955	-.00280	-.00284	-.00004
		2469	2,192					
413.8	407.85			-.015	.99931	-.01548	-.01554	-.00005
		2394	2,192					
415.8	410.25			-.005	.99928	-.00547	-.00546	0
		2368	2,192					
417.8	412.61			.004	.99926	.00437	.00450	.00013
		2389	2,192					
419.8	415.00			.011	.99914	.01092	.01095	.00003
		2441	2,192					
421.8	417.44			.012	.99900	.01183	.01160	-.00023
		2500	2,192					
423.8	419.94			-.010	.99890	-.01021	-.01016	.00005
		2449	2,192					
425.8	422.39			-.007	.99885	-.00727	-.00701	.00026
		2414	2,192					
427.8	424.81			.001	.99885	.00095	.00093	-.00002
		2419	2,192					
429.8	427.23			-.011	.99872	-.01103	-.01151	-.00048
		2366	2,192					
431.8	429.59			.015	.99849	.01543	.01546	.00003
		2440	2,192					
433.8	432.03			.040	.99688	.04004	.04060	.00056
		2644	2,192					
435.8	434.68			.001	.99688	.00131	.00160	.00030
		2651	2,192					
437.8	437.33			.002	.99688	.00159	.00121	-.00038
		2659	2,192					

457129

TWO WAY TRAVEL TIME MS	DEPTH FROM SRD (OR TOP) M	INTERVAL VELOCITY M/S	INTERVAL DENSITY G/C3	REFLECT. COEFF.	TWO WAY ATTEN. COEFF.	SYNTHETIC SEISMO. PRIMARY	PRIMARY + MULTIPLES	MULTIPLES ONLY
439.8	439.99			.019	.99650	.01935	.01872	-.00062
		2765	2.192					
441.8	442.75			-.018	.99617	-.01824	-.01821	.00003
		2665	2.192					
443.8	445.42			.019	.99580	.01912	.02006	.00095
		2769	2.192					
445.8	448.19			-.010	.99570	-.00997	-.00951	.00046
		2715	2.192					
447.8	450.90			-.001	.99570	-.00145	-.00114	.00030
		2707	2.192					
449.8	453.61			.014	.99550	.01417	.01439	.00022
		2785	2.192					
451.8	456.39			-.009	.99542	-.00899	-.00983	-.00084
		2735	2.192					
453.8	459.13			.017	.99512	.01717	.01584	-.00133
		2831	2.192					
455.8	461.96			-.024	.99457	-.02340	-.02264	.00076
		2701	2.192					
457.8	464.66			.010	.99447	.00976	.01144	.00168
		2754	2.192					
459.8	467.41			.006	.99444	.00606	.00584	-.00022
		2788	2.192					
461.8	470.20			0	.99444	.00002	.00039	.00037
		2788	2.192					
463.8	472.99			0	.99444	-.00035	-.00210	-.00175
		2786	2.192					
465.8	475.78			-.013	.99427	-.01274	-.01343	-.00069
		2716	2.192					
467.8	478.49			-.009	.99420	-.00870	-.00725	.00145
		2669	2.192					
469.8	481.16			-.004	.99418	-.00404	-.00456	-.00052
		2647	2.192					
471.8	483.81			.006	.99415	.00565	.00589	.00023
		2677	2.192					
473.8	486.48			.016	.99389	.01608	.01698	.00090
		2765	2.192					
475.8	489.25			.005	.99386	.00531	.00457	-.00074
		2795	2.192					
477.8	492.05			.001	.99386	.00082	-.00073	-.00155
		2800	2.192					
479.8	494.84			-.010	.99376	-.00993	-.01043	-.00050
		2744	2.192					
481.8	497.59			-.007	.99371	-.00727	-.00876	-.00149
		2704	2.192					
483.8	500.29			-.038	.99228	-.03763	-.03754	.00009
		2507	2.192					
485.8	502.80			.034	.99114	.03362	.03475	.00113
		2683	2.192					
487.8	505.48			-.030	.99027	-.02944	-.03007	-.00063

457130

TWO WAY TRAVEL TIME MS	DEPTH FROM SRD (OR TOP) M	INTERVAL VELOCITY M/S	INTERVAL DENSITY G/C3	REFLECT. COEFF.	TWO WAY ATTEN. COEFF.	SYNTHETIC SEISMO. PRIMARY	PRIMARY + MULTIPLES	MULTIPLES ONLY
		2528	2,192					
489.8	508.01			.004	.99025	.00437	.00424	-.00013
		2551	2,192					
491.8	510.56			-.022	.98978	-.02144	-.02250	-.00106
		2442	2,192					
493.8	513.01			-.030	.98889	-.02982	-.03158	-.00175
		2300	2,192					
495.8	515.30			-.012	.98875	-.01172	-.01073	.00099
		2246	2,192					
497.8	517.55			.038	.98729	.03793	.03744	-.00049
		2425	2,192					
499.8	519.98			.029	.98648	.02836	.03032	.00196
		2568	2,192					
501.8	522.54			-.014	.98627	-.01422	-.01502	-.00080
		2495	2,192					
503.8	525.04			-.005	.98625	-.00459	-.00655	-.00196
		2472	2,192					
505.8	527.51			.024	.98567	.02398	.02401	.00003
		2595	2,192					
507.8	530.11			.001	.98567	.00093	-.00015	-.00108
		2600	2,192					
509.8	532.71			-.030	.98481	-.02913	-.02659	.00255
		2451	2,192					
511.8	535.16			.050	.98239	.04880	.05032	.00152
		2707	2,192					
513.8	537.86			-.007	.98235	-.00641	-.00419	.00222
		2671	2,192					
515.8	540.54			.002	.98234	.00237	.00326	.00089
		2684	2,192					
517.8	543.22			0	.98234	.00047	-.00635	-.00682
		2687	2,192					
519.8	545.91			-.006	.98231	-.00568	-.00520	.00048
		2656	2,192					
521.8	548.56			-.006	.98228	-.00545	-.00360	.00185
		2627	2,192					
523.8	551.19			-.002	.98227	-.00240	-.00052	.00188
		2614	2,192					
525.8	553.80			.006	.98224	.00578	.00798	.00220
		2645	2,192					
527.8	556.45			-.001	.98224	-.00094	-.00172	-.00078
		2640	2,192					
529.8	559.09			.012	.98208	.01225	.01137	-.00087
		2707	2,192					
531.8	561.80			.004	.98207	.00389	.00385	-.00004
		2728	2,192					
533.8	564.52			.001	.98207	.00094	.00313	.00220
		2733	2,192					
535.8	567.26			.012	.98193	.01168	.01269	.00101
		2799	2,192					

457131

TWO WAY TRAVEL TIME MS	DEPTH FROM SRD (OR TOP) M	INTERVAL VELOCITY M/S	INTERVAL DENSITY G/C3	REFLECT. COEFF.	TWO WAY ATTEN. COEFF.	SYNTHETIC SEISMO. PRIMARY	PRIMARY + MULTIPLES	MULTIPLES ONLY
537.8	570.06			-.009	.98186	-.00846	-.00169	.00677
		2751	2.192					
539.8	572.81			0	.98186	.00025	-.00107	-.00132
		2753	2.192					
541.8	575.56			.002	.98185	.00190	.00037	-.00153
		2763	2.192					
543.8	578.32			-.014	.98165	-.01413	-.01771	-.00358
		2685	2.192					
545.8	581.01			.001	.98165	.00054	.00101	.00047
		2688	2.192					
547.8	583.70			.007	.98160	.00653	.00865	.00212
		2724	2.192					
549.8	586.42			.006	.98157	.00612	.00089	-.00523
		2758	2.192					
551.8	589.18			.001	.98157	.00113	.00756	.00644
		2764	2.192					
553.8	591.94			0	.98157	-.00012	-.00165	-.00153
		2764	2.192					
555.8	594.71			-.004	.98155	-.00397	-.00709	-.00312
		2741	2.192					
557.8	597.45			.006	.98151	.00608	.00536	-.00072
		2776	2.192					
559.8	600.22			-.004	.98149	-.00420	-.00616	-.00196
		2752	2.192					
561.8	602.98			.011	.98137	.01109	.00892	-.00217
		2815	2.192					
563.8	605.79			.006	.98134	.00551	.01078	.00528
		2847	2.192					
565.8	608.64			-.009	.98126	-.00884	-.01007	-.00124
		2796	2.192					
567.8	611.43			-.011	.98113	-.01119	-.01167	-.00048
		2733	2.192					
569.8	614.17			0	.98113	.00044	-.00162	-.00206
		2735	2.192					
571.8	616.90			-.006	.98109	-.00626	-.00680	-.00054
		2701	2.192					
573.8	619.60			.004	.98107	.00424	.00549	.00125
		2724	2.192					
575.8	622.32			.007	.98103	.00649	.00539	-.00110
		2760	2.192					
577.8	625.09			-.008	.98097	-.00749	-.00530	.00220
		2718	2.192					
579.8	627.80			.011	.98086	.01044	.00981	-.00063
		2777	2.192					
581.8	630.58			.009	.98078	.00896	.00481	-.00415
		2828	2.192					
583.8	633.41			.010	.98069	.00958	.00894	-.00064
		2884	2.192					
585.8	636.29			-.013	.98052	-.01276	-.01560	-.00284

457132

TWO WAY TRAVEL TIME MS	DEPTH FROM SRD (OR TOP) M	INTERVAL VELOCITY M/S	INTERVAL DENSITY G/C3	REFLECT. COEFF.	TWO WAY ATTEN. COEFF.	SYNTHETIC SEISMO. PRIMARY	PRIMARY + MULTIPLES	MULTIPLES ONLY
		2810	2,192					
587,8	639,10			,001	,98052	,00085	,00458	,00373
		2815	2,192					
589,8	641,92			-,006	,98048	-,00597	-,00685	-,00088
		2781	2,192					
591,8	644,70			,014	,98030	,01352	,01636	,00283
		2858	2,192					
593,8	647,56			-,002	,98029	-,00154	-,00415	-,00261
		2849	2,192					
595,8	650,41			-,003	,98028	-,00337	-,00773	-,00436
		2830	2,192					
597,8	653,24			-,006	,98025	-,00543	-,00258	,00285
		2799	2,192					
599,8	656,03			-,018	,97994	-,01740	-,01665	,00075
		2701	2,192					
601,8	658,74			-,004	,97992	-,00436	-,00270	,00165
		2677	2,192					
603,8	661,41			-,004	,97991	-,00383	-,00144	,00239
		2656	2,192					
605,8	664,07			-,002	,97990	-,00220	,00089	,00309
		2644	2,192					
607,8	666,71			,005	,97988	,00441	-,00304	-,00745
		2668	2,192					
609,8	669,38			,003	,97987	,00298	,00910	,00612
		2685	2,192					
611,8	672,07			-,002	,97987	-,00214	-,00371	-,00158
		2673	2,192					
613,8	674,74			-,005	,97984	-,00530	-,00611	-,00081
		2644	2,192					
615,8	677,38			-,017	,97957	-,01634	-,01477	,00156
		2557	2,192					
617,8	679,94			-,004	,97956	-,00346	-,00039	,00307
		2539	2,192					
619,8	682,48			-,011	,97944	-,01082	-,01245	-,00163
		2484	2,192					
621,8	684,97			,038	,97802	,03727	,03188	-,00539
		2681	2,192					
623,8	687,65			-,019	,97768	-,01810	-,01740	,00070
		2583	2,192					
625,8	690,23			,012	,97755	,01162	,01177	,00015
		2645	2,192					
627,8	692,87			-,033	,97645	-,03267	-,03229	,00037
		2474	2,192					
629,8	695,35			,012	,97631	,01189	,01345	,00156
		2535	2,192					
631,8	697,88			,009	,97623	,00904	,01227	,00322
		2583	2,192					
633,8	700,47			-,010	,97613	-,00955	-,01297	-,00342
		2533	2,192					

457133

TWO WAY TRAVEL TIME MS	DEPTH FROM SRD (OR TOP) M	INTERVAL VELOCITY M/S	INTERVAL DENSITY G/C3	REFLECT. COEFF.	TWO WAY ATTEN. COEFF.	SYNTHETIC SEISMO. PRIMARY	PRIMARY + MULTIPLES	MULTIPLES ONLY
635.8	703.00			-.019	.97578	-.01846	-.01793	.00053
		2439	2.192					
637.8	705.44			.007	.97574	.00647	.00459	-.00187
		2471	2.192					
639.8	707.91			-.005	.97572	-.00485	-.00210	.00275
		2447	2.192					
641.8	710.35			-.003	.97571	-.00269	-.00506	-.00237
		2433	2.192					
643.8	712.79			.002	.97570	.00205	.00281	.00076
		2444	2.192					
645.8	715.23			.006	.97567	.00592	.00655	.00063
		2473	2.192					
647.8	717.71			.024	.97510	.02348	.02312	-.00036
		2595	2.192					
649.8	720.30			-.018	.97480	-.01733	-.01545	.00189
		2505	2.192					
651.8	722.81			-.005	.97477	-.00520	-.00825	-.00305
		2478	2.192					
653.8	725.28			.005	.97474	.00528	.00741	.00212
		2505	2.192					
655.8	727.79			-.025	.97413	-.02438	-.02159	.00278
		2383	2.192					
657.8	730.17			.012	.97398	.01209	.01026	-.00183
		2443	2.192					
659.8	732.61			.009	.97390	.00861	.00939	.00079
		2486	2.192					
661.8	735.10			-.013	.97373	-.01299	-.01204	.00096
		2421	2.192					
663.8	737.52			-.014	.97353	-.01397	-.01499	-.00102
		2352	2.192					
665.8	739.87			-.009	.97345	-.00882	-.00924	-.00042
		2310	2.192					
667.8	742.18			.032	.97247	.03083	.03164	.00081
		2461	2.192					
669.8	744.64			-.012	.97234	-.01155	-.01141	.00014
		2403	2.192					
671.8	747.05			.005	.97232	.00439	.00258	-.00181
		2425	2.192					
673.8	749.47			-.014	.97214	-.01321	-.01234	.00087
		2360	2.192					
675.8	751.83			-.002	.97213	-.00179	-.00494	-.00316
		2352	2.192					
677.8	754.19			.014	.97195	.01335	.01860	.00525
		2417	2.192					
679.8	756.60			-.028	.97121	-.02681	-.03093	-.00412
		2287	2.192					
681.8	758.89			.040	.96967	.03863	.04351	.00488
		2477	2.192					
683.8	761.37			.001	.96967	.00097	.00396	.00299

457134

TWO WAY TRAVEL TIME MS	DEPTH FROM SRD (OR TOP) M	INTERVAL VELOCITY M/S	INTERVAL DENSITY G/C3	REFLECT. COEFF.	TWO WAY ATTEN. COEFF.	SYNTHETIC SEISMO. PRIMARY	PRIMARY + MULTIPLES	MULTIPLES ONLY
		2482	2,192					
685.8	763.85			,006	,96964	,00554	,00575	,00021
		2510	2,192					
687.8	766.36			-,014	,96946	-,01341	-,01252	,00089
		2442	2,192					
689.8	768.80			0	,96946	-,00030	-,00539	-,00509
		2440	2,192					
691.8	771.24			-,029	,96864	-,02814	-,03000	-,00186
		2303	2,192					
693.8	773.54			,040	,96711	,03845	,03918	,00072
		2493	2,192					
695.8	776.04			-,009	,96703	-,00884	-,00566	,00318
		2448	2,192					
697.8	778.48			-,003	,96703	-,00253	-,00667	-,00414
		2435	2,192					
699.8	780.92			-,011	,96691	-,01054	-,00722	,00332
		2383	2,192					
701.8	783.30			,027	,96623	,02572	,02102	-,00470
		2513	2,192					
703.8	785.81			-,015	,96600	-,01485	-,01486	0
		2437	2,192					
705.8	788.25			-,005	,96597	-,00482	-,00551	-,00070
		2413	2,192					
707.8	790.66			-,001	,96597	-,00054	,00195	,00249
		2410	2,192					
709.8	793.07			,009	,96590	,00867	,00895	,00028
		2453	2,192					
711.8	795.53			0	,96590	,00027	,00288	,00261
		2455	2,192					
713.8	797.98			-,059	,96255	-,05687	-,06161	-,00474
		2182	2,192					
715.8	800.16			,038	,96118	,03635	,03869	,00235
		2353	2,192					
717.8	802.52			-,022	,96072	-,02096	-,02382	-,00286
		2253	2,192					
719.8	804.77			-,037	,95938	-,03592	-,03234	,00358
		2090	2,192					
721.8	806.86			,052	,95681	,04958	,04244	-,00715
		2318	2,192					
723.8	809.18			-,039	,95535	-,03742	-,02679	,01062
		2144	2,192					
725.8	811.32			,025	,95478	,02341	,01935	-,00406
		2251	2,192					
727.8	813.57			,041	,95316	,03932	,03695	-,00238
		2445	2,192					
729.8	816.02			-,017	,95289	-,01596	-,01543	,00053
		2364	2,192					
731.8	818.38			,012	,95276	,01120	,00245	-,00875
		2420	2,192					

457135

TWO WAY TRAVEL TIME MS	DEPTH FROM SRD (OR TOP) M	INTERVAL VELOCITY M/S	INTERVAL DENSITY G/C3	REFLECT. COEFF.	TWO WAY ATTEN. COEFF.	SYNTHETIC SEISMO. PRIMARY	PRIMARY + MULTIPLES	MULTIPLES ONLY
733.8	820.80			-.029	.95193	-.02807	-.01794	.01013
		2282	2,192					
735.8	823.08			-.074	.94670	-.07059	-.07104	-.00045
		1967	2,192					
737.8	825.05			.010	.94660	.00943	.00553	-.00391
		2006	2,192					
739.8	827.06			.044	.94477	.04169	.04129	-.00040
		2191	2,192					
741.8	829.25			.005	.94474	.00450	.00856	.00407
		2212	2,192					
743.8	831.46			.010	.94464	.00983	.00577	-.00406
		2259	2,192					
745.8	833.72			.039	.94321	.03682	.04209	.00527
		2442	2,192					
747.8	836.16			.017	.94295	.01562	.01264	-.00298
		2524	2,192					
749.8	838.69			-.056	.93997	-.05303	-.04678	.00624
		2256	2,192					
751.8	840.94			.053	.93732	.04991	.05207	.00216
		2508	2,192					
753.8	843.45			-.036	.93608	-.03405	-.04158	-.00753
		2333	2,192					
755.8	845.78			.012	.93594	.01159	.01431	.00271
		2391	2,192					
757.8	848.17			.018	.93563	.01705	.01824	.00119
		2480	2,192					
759.8	850.65			.020	.93527	.01833	.01874	.00041
		2579	2,192					
761.8	853.23			-.042	.93362	-.03920	-.03337	.00583
		2372	2,192					
763.8	855.60			.004	.93361	.00381	.00593	.00212
		2391	2,192					
765.8	858.00			-.031	.93274	-.02849	-.03445	-.00596
		2249	2,192					
767.8	860.24			.056	.92982	.05216	.05528	.00312
		2516	2,192					
769.8	862.76			-.004	.92981	-.00358	-.00932	-.00574
		2497	2,192					
771.8	865.26			-.029	.92901	-.02720	-.02727	-.00007
		2355	2,192					
773.8	867.61			-.014	.92884	-.01255	-.00798	.00458
		2292	2,192					
775.8	869.90			.036	.92767	.03304	.02973	-.00332
		2461	2,192					
777.8	872.36			.010	.92757	.00958	.01325	.00367
		2512	2,192					
779.8	874.88			-.023	.92707	-.02139	-.01396	.00744
		2399	2,192					
781.8	877.28			-.013	.92691	-.01244	-.01541	-.00297

457136

TWO WAY TRAVEL TIME MS	DEPTH FROM SRD (OR TOP) M	INTERVAL VELOCITY M/S	INTERVAL DENSITY G/C3	REFLECT. COEFF.	TWO WAY ATTEN. COEFF.	SYNTHETIC SEISMO. PRIMARY	PRIMARY + MULTIPLES	MULTIPLES ONLY
		2335	2.192					
783.8	879.61			-.004	.92689	-.00401	-.00320	.00080
		2315	2.192					
785.8	881.93			-.017	.92663	-.01565	-.01671	-.00106
		2239	2.192					
787.8	884.17			.008	.92656	.00786	.01402	.00617
		2277	2.192					
789.8	886.44			.012	.92642	.01130	-.00802	-.01932
		2333	2.192					
791.8	888.77			-.023	.92594	-.02119	-.01406	.00713
		2229	2.192					
793.8	891.00			.007	.92589	.00686	.00262	-.00424
		2262	2.192					
795.8	893.27			.004	.92587	.00394	.00289	-.00104
		2281	2.192					
797.8	895.55			.010	.92579	.00881	.01288	.00408
		2325	2.192					
799.8	897.87			-.029	.92499	-.02717	-.02433	.00284
		2192	2.192					
801.8	900.06			.005	.92497	.00440	.00139	-.00301
		2213	2.192					
803.8	902.28			.018	.92466	.01687	.01721	.00034
		2296	2.192					
805.8	904.57			-.009	.92458	-.00836	-.01042	-.00207
		2255	2.192					
807.8	906.83			.008	.92453	.00716	.00584	-.00131
		2290	2.192					
809.8	909.12			.084	.91799	.07775	.08087	.00312
		2710	2.192					
811.8	911.83			-.006	.91796	-.00561	-.01637	-.01076
		2677	2.192					
813.8	914.51			-.016	.91772	-.01482	-.00264	.01217
		2592	2.192					
815.8	917.10			.007	.91767	.00666	.00287	-.00379
		2630	2.192					
817.8	919.73			-.034	.91660	-.03130	-.03704	-.00574
		2457	2.192					
819.8	922.18			.009	.91652	.00864	.01577	.00713
		2503	2.192					
821.8	924.69			.020	.91616	.01821	.02311	.00490
		2605	2.192					
823.8	927.29			.012	.91602	.01125	.00515	-.00610
		2670	2.192					
825.8	929.96			-.021	.91560	-.01950	-.01520	.00430
		2558	2.192					
827.8	932.52			.031	.91473	.02830	.02341	-.00489
		2722	2.192					
829.8	935.24			-.036	.91354	-.03301	-.02942	.00359
		2532	2.192					

457137

TWO WAY TRAVEL TIME MS	DEPTH FROM SRD (OR TOP) M	INTERVAL VELOCITY M/S	INTERVAL DENSITY G/C3	REFLECT. COEFF.	TWO WAY ATTEN. COEFF.	SYNTHETIC SEISMO. PRIMARY	PRIMARY + MULTIPLES	MULTIPLES ONLY
831.8	937.77	2466	2.192	-.013	.91338	-.01202	-.01206	-.00004
833.8	940.24	2310	2.192	-.033	.91240	-.02990	-.02723	.00267
835.8	942.55	2363	2.192	.011	.91228	.01036	.01525	.00489
837.8	944.91	2366	2.192	.001	.91228	.00055	-.00889	-.00943
839.8	947.28	2269	2.192	-.021	.91188	-.01913	-.02712	-.00799
841.8	949.55	2318	2.192	.011	.91178	.00979	.00966	-.00013
843.8	951.86	2308	2.192	-.002	.91177	-.00201	.00418	.00619
845.8	954.17	2354	2.192	.010	.91168	.00900	.02839	.01939
847.8	956.53	2425	2.192	.015	.91148	.01366	-.00116	-.01482
849.8	958.95	2322	2.192	-.022	.91105	-.01987	-.00903	.01084
851.8	961.27	2230	2.192	-.020	.91068	-.01836	-.02343	-.00507
853.8	963.50	2296	2.192	.014	.91049	.01318	.00061	-.01257
855.8	965.80	2277	2.192	-.004	.91047	-.00366	-.00596	-.00230
857.8	968.07	2390	2.192	.024	.90993	.02210	.02973	.00763
859.8	970.47	2617	2.192	.045	.90807	.04115	.04603	.00488
861.8	973.08	2258	2.192	-.074	.90314	-.06696	-.06668	.00027
863.8	975.34	2701	2.192	.089	.89592	.08074	.07506	-.00568
865.8	978.04	2724	2.192	.004	.89590	.00375	.00457	.00082
867.8	980.76	2288	2.192	-.087	.88915	-.07777	-.08719	-.00941
869.8	983.05	2383	2.192	.020	.88879	.01797	.01596	-.00201
871.8	985.44	2444	2.192	.013	.88865	.01117	.02257	.01141
873.8	987.88	2421	2.192	-.005	.88863	-.00404	-.01382	-.00978
875.8	990.30	2329	2.192	-.019	.88829	-.01723	-.01131	.00591
877.8	992.63	2532	2.192	.042	.88675	.03701	.02961	-.00739
879.8	995.16			-.039	.88543	-.03421	-.02928	.00493

TWO WAY TRAVEL TIME MS	DEPTH FROM SRD (OR TOP) M	INTERVAL VELOCITY M/S	INTERVAL DENSITY G/C3	REFLECT. COEFF.	TWO WAY ATTEN. COEFF.	SYNTHETIC SEISMO. PRIMARY	PRIMARY + MULTIPLES	MULTIPLES ONLY
		2344	2,192					
881.8	997.51			-,017	,88517	-,01521	-,00112	,01409
		2265	2,192					
883.8	999.77			-,005	,88514	-,00484	-,01711	-,01227
		2240	2,192					
885.8	1002.01			,016	,88492	,01399	,00556	-,00843
		2312	2,192					
887.8	1004.32			-,022	,88451	-,01917	-,00423	,01493
		2214	2,192					
889.8	1006.54			,001	,88451	,00106	-,01373	-,01479
		2219	2,192					
891.8	1008.75			-,018	,88421	-,01614	-,02174	-,00560
		2140	2,192					
893.8	1010.89			,035	,88313	,03096	,03592	,00496
		2295	2,192					
895.8	1013.19			-,012	,88299	-,01092	-,00850	,00242
		2239	2,192					
897.8	1015.43			-,001	,88299	-,00063	,00490	,00553
		2236	2,192					
899.8	1017.66			,035	,88189	,03124	,02893	-,00231
		2400	2,192					
901.8	1020.06			-,024	,88138	-,02116	-,01854	,00262
		2287	2,192					
903.8	1022.35			-,006	,88135	-,00553	-,00268	,00285
		2259	2,192					
905.8	1024.61			,015	,88116	,01297	,00900	-,00396
		2326	2,192					
907.8	1026.94			,021	,88075	,01879	,02164	,00285
		2427	2,192					
909.8	1029.36			,010	,88067	,00861	,00864	,00003
		2475	2,192					
911.8	1031.84			-,037	,87949	-,03218	-,01876	,01341
		2301	2,192					
913.8	1034.14			,019	,87917	,01677	,00681	-,00996
		2390	2,192					
915.8	1036.53			,004	,87916	,00345	,00788	,00443
		2409	2,192					
917.8	1038.94			-,001	,87916	-,00076	-,00443	-,00367
		2405	2,192					
919.8	1041.34			-,020	,87882	-,01735	-,02849	-,01114
		2312	2,192					
921.8	1043.66			0	,87882	,00023	,01322	,01299
		2313	2,192					
923.8	1045.97			,035	,87775	,03069	,02707	-,00362
		2481	2,192					
925.8	1048.45			-,040	,87636	-,03488	-,03015	,00474
		2291	2,192					
927.8	1050.74			,009	,87629	,00793	,00043	-,00749
		2333	2,192					

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TWO WAY TRAVEL TIME MS	DEPTH FROM SRD (OR TOP) M	INTERVAL VELOCITY M/S	INTERVAL DENSITY G/C3	REFLECT. COEFF.	TWO WAY ATTEN. COEFF.	SYNTHETIC SEISMO. PRIMARY	PRIMARY + MULTIPLES	MULTIPLES ONLY
929.8	1053.07			.018	.87601	.01576	.01524	-.00052
		2418	2.192					
931.8	1055.49			-.028	.87531	-.02460	-.02704	-.00244
		2286	2.192					
933.8	1057.78			.029	.87460	.02497	.02833	.00336
		2420	2.192					
935.8	1060.20			-.005	.87458	-.00435	-.00957	-.00522
		2396	2.192					
937.8	1062.59			-.024	.87410	-.02059	-.02096	-.00037
		2286	2.192					
939.8	1064.88			.005	.87407	.00462	.01468	.01007
		2310	2.192					
941.8	1067.19			.054	.87157	.04679	.03845	-.00834
		2572	2.192					
943.8	1069.76			-.038	.87032	-.03298	-.03675	-.00377
		2384	2.192					
945.8	1072.15			-.010	.87023	-.00890	-.01164	-.00274
		2336	2.192					
947.8	1074.48			.004	.87022	.00316	.00734	.00418
		2353	2.192					
949.8	1076.84			-.042	.86866	-.03682	-.04024	-.00341
		2162	2.192					
951.8	1079.00			.034	.86764	.02976	.03658	.00682
		2315	2.192					
953.8	1081.31			-.007	.86759	-.00622	-.01492	-.00870
		2282	2.192					
955.8	1083.60			-.011	.86749	-.00932	.00269	.01201
		2234	2.192					
957.8	1085.83			-.006	.86746	-.00527	-.00516	.00011
		2207	2.192					
959.8	1088.04			.016	.86724	.01399	-.00263	-.01662
		2279	2.192					
961.8	1090.32			.006	.86721	.00509	.01300	.00791
		2306	2.192					
963.8	1092.62			-.016	.86699	-.01366	-.00852	.00514
		2235	2.192					
965.8	1094.86			.029	.86624	.02551	.02477	-.00075
		2370	2.192					
967.8	1097.23			-.023	.86580	-.01961	-.01673	.00288
		2265	2.192					
969.8	1099.49			.006	.86576	.00536	.00787	.00252
		2294	2.192					
971.8	1101.79			.013	.86561	.01147	.00102	-.01045
		2355	2.192					
973.8	1104.14			.033	.86466	.02868	.01657	-.01211
		2517	2.192					
975.8	1106.66			-.052	.86237	-.04455	-.01521	.02934
		2270	2.192					
977.8	1108.93			.027	.86175	.02300	.01806	-.00494

TWO WAY TRAVEL TIME MS	DEPTH FROM SRD (OR TOP) M	INTERVAL VELOCITY M/S	INTERVAL DENSITY G/C3	REFLECT. COEFF.	TWO WAY ATTEN. COEFF.	SYNTHETIC SEISMO. PRIMARY	PRIMARY + MULTIPLES	MULTIPLES ONLY
		2394	2.192					
979.8	1111.32			-.008	.86170	-.00680	-.02302	-.01622
		2357	2.192					
981.8	1113.68			.003	.86169	.00285	.00494	.00209
		2373	2.192					
983.8	1116.05			.013	.86154	.01150	.01777	.00626
		2437	2.192					
985.8	1118.49			-.010	.86145	-.00865	-.01886	-.01021
		2388	2.192					
987.8	1120.88			.012	.86133	.00994	.01068	.00074
		2444	2.192					
989.8	1123.32			-.022	.86090	-.01936	-.00894	.01043
		2337	2.192					
991.8	1125.66			.028	.86024	.02384	.02698	.00314
		2470	2.192					
993.8	1128.13			-.028	.85955	-.02441	-.02121	.00320
		2333	2.192					
995.8	1130.46			.003	.85954	.00286	-.00917	-.01203
		2349	2.192					
997.8	1132.81			-.003	.85953	-.00248	.01085	.01333
		2335	2.192					
999.8	1135.15			-.019	.85923	-.01608	-.02646	-.01038
		2250	2.192					
1001.8	1137.40			.017	.85897	.01482	.02206	.00723
		2329	2.192					
1003.8	1139.72			-.011	.85888	-.00911	-.01809	-.00898
		2280	2.192					
1005.8	1142.00			-.014	.85870	-.01213	-.00161	.01052
		2216	2.192					
1007.8	1144.22			.004	.85869	.00343	.00499	.00156
		2234	2.192					
1009.8	1146.45			.015	.85850	.01289	-.00835	-.02124
		2302	2.192					
1011.8	1148.76			-.026	.85793	-.02217	-.00417	.01800
		2186	2.192					
1013.8	1150.94			.008	.85787	.00662	.01582	.00920
		2220	2.192					
1015.8	1153.16			.005	.85785	.00420	-.02008	-.02428
		2242	2.192					
1017.8	1155.40			.005	.85783	.00409	.02000	.01591
		2264	2.192					
1019.8	1157.67			-.019	.85753	-.01609	-.02254	-.00645
		2180	2.192					
1021.8	1159.85			-.003	.85752	-.00268	-.00481	-.00212
		2167	2.192					
1023.8	1162.02			-.004	.85751	-.00328	-.00367	-.00039
		2150	2.192					
1025.8	1164.17			.019	.85719	.01652	.01151	-.00501
		2235	2.192					

TWO WAY TRAVEL TIME MS	DEPTH FROM SRD (OR TOP) M	INTERVAL VELOCITY M/S	INTERVAL DENSITY G/C3	REFLECT. COEFF.	TWO WAY ATTEN. COEFF.	SYNTHETIC SEISMO. PRIMARY	PRIMARY + MULTIPLES	MULTIPLES ONLY
1027.8	1166.40	2153	2.192	-.019	.85690	-.01598	.00140	.01738
1029.8	1168.55	2230	2.192	.018	.85663	.01508	.00576	-.00932
1031.8	1170.78	2214	2.192	-.004	.85662	-.00317	-.00163	.00154
1033.8	1173.00	2230	2.192	.004	.85661	.00315	.00446	.00131
1035.8	1175.23	2236	2.192	.001	.85661	.00121	.00261	.00140
1037.8	1177.46	2263	2.192	.006	.85657	.00516	-.01252	-.01768
1039.8	1179.73	2174	2.192	-.020	.85623	-.01717	-.00058	.01659
1041.8	1181.90	2184	2.192	.002	.85623	.00187	-.00168	-.00355
1043.8	1184.08	2159	2.192	-.006	.85620	-.00494	-.00775	-.00281
1045.8	1186.24	2122	2.192	-.009	.85613	-.00742	-.00670	.00072
1047.8	1188.36	2073	2.192	-.012	.85602	-.00986	-.01304	-.00317
1049.8	1190.44	2101	2.192	.007	.85598	.00566	.00654	.00088
1051.8	1192.54	2165	2.192	.015	.85579	.01280	-.00106	-.01386
1053.8	1194.70	2212	2.192	.011	.85569	.00920	.03116	.02196
1055.8	1196.91	2219	2.192	.002	.85569	.00146	-.01090	-.01236
1057.8	1199.13	2238	2.192	.004	.85567	.00368	.01757	.01390
1059.8	1201.37	2168	2.192	-.016	.85545	-.01370	-.02485	-.01115
1061.8	1203.54	2286	2.192	.026	.85486	.02263	.02488	.00225
1063.8	1205.83	2236	2.192	-.011	.85475	-.00950	-.01158	-.00209
1065.8	1208.06	2136	2.192	-.023	.85431	-.01945	-.01371	.00574
1067.8	1210.20	2140	2.192	.001	.85431	.00073	-.00759	-.00833
1069.8	1212.34	2251	2.192	.025	.85376	.02160	.03452	.01293
1071.8	1214.59	2195	2.192	-.013	.85363	-.01074	-.00601	.00473
1073.8	1216.78	2196	2.192	0	.85363	.00015	-.00121	-.00136
1075.8	1218.98			.012	.85350	.01021	.02558	.01538

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TWO WAY TRAVEL TIME MS	DEPTH FROM SRD (OR TOP) M	INTERVAL VELOCITY M/S	INTERVAL DENSITY G/C3	REFLECT. COEFF.	TWO WAY ATTEN. COEFF.	SYNTHETIC SEISMO. PRIMARY	PRIMARY + MULTIPLES	MULTIPLES ONLY
		2249	2.192					
1077.8	1221.23			.007	.85347	.00564	-.00821	-.01384
		2279	2.192					
1079.8	1223.51			.001	.85347	.00084	-.01259	-.01343
		2283	2.192					
1081.8	1225.79			.006	.85343	.00533	.01170	.00637
		2312	2.192					
1083.8	1228.10			-.006	.85341	-.00474	-.00818	-.00344
		2286	2.192					
1085.8	1230.39			.002	.85340	.00196	.02088	.01893
		2297	2.192					
1087.8	1232.68			.006	.85337	.00478	-.00243	-.00721
		2323	2.192					
1089.8	1235.01			-.006	.85334	-.00543	-.00770	-.00227
		2293	2.192					
1091.8	1237.30			-.001	.85334	-.00079	.00814	.00893
		2289	2.192					
1093.8	1239.59			.006	.85331	.00536	.00827	.00291
		2318	2.192					
1095.8	1241.91			.002	.85330	.00139	-.01288	-.01427
		2326	2.192					
1097.8	1244.23			.002	.85330	.00212	.00584	.00372
		2337	2.192					
1099.8	1246.57			-.012	.85318	-.01019	-.01974	-.00955
		2282	2.192					
1101.8	1248.85			.023	.85274	.01934	.01727	-.00207
		2388	2.192					
1103.8	1251.24			-.010	.85266	-.00839	.00379	.01218
		2341	2.192					
1105.8	1253.58			-.007	.85261	-.00624	-.02264	-.01640
		2307	2.192					
1107.8	1255.89			.003	.85260	.00222	.00403	.00181
		2319	2.192					
1109.8	1258.21			0	.85260	-.00030	.00527	.00557
		2318	2.192					
1111.8	1260.53			.009	.85253	.00796	.02350	.01554
		2361	2.192					
1113.8	1262.89			-.015	.85233	-.01310	-.04310	-.03000
		2290	2.192					
1115.8	1265.18			.021	.85195	.01784	.02609	.00825
		2388	2.192					
1117.8	1267.57			-.011	.85185	-.00947	-.01050	-.00102
		2335	2.192					
1119.8	1269.90			.003	.85184	.00287	.00323	.00035
		2351	2.192					
1121.8	1272.25			0	.85184	-.00033	.00464	.00497
		2349	2.192					
1123.8	1274.60			.005	.85182	.00402	.01361	.00959
		2372	2.192					

TWO WAY TRAVEL TIME MS	DEPTH FROM SRD (OR TOP) M	INTERVAL VELOCITY M/S	INTERVAL DENSITY G/C3	REFLECT. COEFF.	TWO WAY ATTEN. COEFF.	SYNTHETIC SEISMO. PRIMARY	PRIMARY + MULTIPLES	MULTIPLES ONLY
1125.8	1276.97			.018	.85155	.01520	.00062	-.01457
		2458	2.192					
1127.8	1279.43			-.013	.85141	-.01099	-.00215	.00884
		2395	2.192					
1129.8	1281.83			-.005	.85139	-.00435	-.00970	-.00535
		2371	2.192					
1131.8	1284.20			0	.85139	-.00011	.00636	.00647
		2370	2.192					
1133.8	1286.57			-.011	.85127	-.00971	-.01071	-.00099
		2317	2.192					
1135.8	1288.88			.012	.85116	.01000	.00364	-.00637
		2372	2.192					
1137.8	1291.25			.017	.85090	.01484	.02614	.01130
		2456	2.192					
1139.8	1293.71			0	.85090	-.00020	.00434	.00454
		2455	2.192					
1141.8	1296.17			-.043	.84936	-.03617	-.05349	-.01731
		2255	2.192					
1143.8	1298.42			.017	.84912	.01417	.03243	.01826
		2331	2.192					
1145.8	1300.75			-.004	.84911	-.00324	-.01861	-.01537
		2313	2.192					
1147.8	1303.06			.033	.84817	.02826	.02634	-.00192
		2473	2.192					
1149.8	1305.54			.002	.84817	.00156	.01758	.01602
		2482	2.192					
1151.8	1308.02			.009	.84810	.00748	.00115	-.00634
		2526	2.192					
1153.8	1310.55			-.030	.84732	-.02578	-.01939	.00639
		2377	2.192					
1155.8	1312.92			.027	.84671	.02271	.02620	.00349
		2508	2.192					
1157.8	1315.43			-.016	.84648	-.01394	-.02315	-.00921
		2427	2.192					
1159.8	1317.86			-.010	.84640	-.00848	-.00545	.00303
		2379	2.192					
1161.8	1320.24			-.009	.84633	-.00761	-.00361	.00400
		2336	2.192					
1163.8	1322.57			.010	.84625	.00818	-.01375	-.02193
		2382	2.192					
1165.8	1324.95			.023	.84581	.01932	.01828	-.00105
		2493	2.192					
1167.8	1327.45			.006	.84577	.00542	.01910	.01368
		2525	2.192					
1169.8	1329.97			-.003	.84576	-.00281	-.00166	.00115
		2508	2.192					
1171.8	1332.48			.002	.84576	.00188	-.00264	-.00453
		2520	2.192					
1173.8	1335.00			-.004	.84575	-.00327	.01500	.01827

TWO WAY TRAVEL TIME MS	DEPTH FROM SRD (OR TOP) M	INTERVAL VELOCITY M/S	INTERVAL DENSITY G/C3	REFLECT. COEFF.	TWO WAY ATTEN. COEFF.	SYNTHETIC SEISMO. PRIMARY	PRIMARY + MULTIPLES	MULTIPLES ONLY
		2500	2.192					
1175.8	1337.50			.005	.84573	.00396	-.01263	-.01659
		2524	2.192					
1177.8	1340.02			-.020	.84539	-.01692	-.02623	-.00931
		2425	2.192					
1179.8	1342.45			0	.84539	-.00031	.00755	.00786
		2423	2.192					
1181.8	1344.87			-.051	.84320	-.04300	-.04311	-.00012
		2188	2.192					
1183.8	1347.06			.053	.84082	.04485	.04248	-.00237
		2434	2.192					
1185.8	1349.49			-.025	.84030	-.02087	-.02566	-.00479
		2316	2.192					
1187.8	1351.81			.013	.84016	.01091	.03177	.02086
		2377	2.192					
1189.8	1354.19			-.012	.84005	-.00969	-.01339	-.00371
		2323	2.192					
1191.8	1356.51			.027	.83943	.02271	.01624	-.00647
		2452	2.192					
1193.8	1358.96			.018	.83916	.01507	.02527	.01020
		2542	2.192					
1195.8	1361.51			-.034	.83818	-.02862	-.03391	-.00529
		2374	2.192					
1197.8	1363.88			.031	.83736	.02627	.00173	-.02454
		2528	2.192					
1199.8	1366.41			.029	.83667	.02400	.04436	.02036
		2677	2.192					
1201.8	1369.09			-.030	.83593	-.02494	-.03054	-.00560
		2522	2.192					
1203.8	1371.61			-.003	.83592	-.00221	.00756	.00977
		2509	2.192					
1205.8	1374.12			-.016	.83572	-.01301	-.00423	.00877
		2432	2.192					
1207.8	1376.55			-.021	.83534	-.01777	-.02572	-.00795
		2331	2.192					
1209.8	1378.88			.042	.83386	.03515	.03505	-.00010
		2536	2.192					
1211.8	1381.41			-.024	.83339	-.01989	-.01799	.00191
		2417	2.192					
1213.8	1383.83			.011	.83328	.00947	-.00833	-.01780
		2473	2.192					
1215.8	1386.30			-.017	.83304	-.01432	-.02557	-.01124
		2389	2.192					
1217.8	1388.69			-.010	.83296	-.00817	.02202	.03019
		2343	2.192					
1219.8	1391.04			.011	.83285	.00941	-.01051	-.01992
		2396	2.192					
1221.8	1393.43			.025	.83235	.02042	.01405	-.00637
		2517	2.192					

TWO WAY TRAVEL TIME MS	DEPTH FROM SRD (OR TOP) M	INTERVAL VELOCITY M/S	INTERVAL DENSITY G/C3	REFLECT. COEFF.	TWO WAY ATTEN. COEFF.	SYNTHETIC SEISMO. PRIMARY	PRIMARY + MULTIPLES	MULTIPLES ONLY
1223.8	1395.95	2478	2.192	-.008	.83230	-.00651	.02681	.03331
1225.8	1398.43	2582	2.192	.021	.83194	.01715	.00281	-.01434
1227.8	1401.01	2545	2.192	-.007	.83190	-.00610	-.01365	-.00755
1229.8	1403.56	2677	2.192	.025	.83137	.02106	.02632	.00527
1231.8	1406.23	2574	2.192	-.020	.83105	-.01630	-.00665	.00965
1233.8	1408.81	2422	2.192	-.030	.83028	-.02519	-.05351	-.02832
1235.8	1411.23	2595	2.192	.034	.82930	.02864	.03230	.00366
1237.8	1413.82	2579	2.192	-.003	.82929	-.00258	.01703	.01961
1239.8	1416.40	2497	2.192	-.016	.82907	-.01349	-.00846	.00502
1241.8	1418.90	2460	2.192	-.007	.82902	-.00611	-.00986	-.00375
1243.8	1421.36	2497	2.192	.008	.82898	.00623	-.01745	-.02368
1245.8	1423.86	2550	2.192	.010	.82889	.00855	.02783	.01928
1247.8	1426.41	2628	2.192	.015	.82870	.01262	.00314	-.00947
1249.8	1429.04	2622	2.192	-.001	.82870	-.00105	.00788	.00893
1251.8	1431.66	2544	2.192	-.015	.82851	-.01240	-.01302	-.00062
1253.8	1434.20	2526	2.192	-.004	.82850	-.00308	.01516	.01824
1255.8	1436.73	2453	2.192	-.015	.82832	-.01216	-.02756	-.01540
1257.8	1439.18	2605	2.192	.030	.82757	.02498	.02400	-.00098
1259.8	1441.78	2519	2.192	-.017	.82733	-.01390	-.00540	.00850
1261.8	1444.30	2695	2.192	.034	.82639	.02798	.02038	-.00760
1263.8	1447.00	2635	2.192	-.011	.82628	-.00930	-.00140	.00791
1265.8	1449.63	2721	2.192	.016	.82607	.01315	-.00440	-.01755
1267.8	1452.35	2804	2.192	.015	.82588	.01249	.02173	.00923
1269.8	1455.16	2753	2.192	-.009	.82581	-.00759	.00917	.01675
1271.8	1457.91			.003	.82580	.00280	-.00983	-.01263

457146

TWO WAY TRAVEL TIME MS	DEPTH FROM SRD (OR TOP) M	INTERVAL VELOCITY M/S	INTERVAL DENSITY G/C3	REFLECT. COEFF.	TWO WAY ATTEN. COEFF.	SYNTHETIC SEISMO. PRIMARY	PRIMARY + MULTIPLES	MULTIPLES ONLY
		2772	2,192					
1273,8	1460,68			,022	,82539	,01854	,00624	-,01230
		2899	2,192					
1275,8	1463,58			,034	,82444	,02792	,05086	,02294
		3102	2,192					
1277,8	1466,68			-,037	,82331	-,03056	-,04581	-,01525
		2880	2,192					
1279,8	1469,57			-,008	,82326	-,00669	-,02865	-,02196
		2834	2,192					
1281,8	1472,40			,005	,82324	,00396	,03572	,03177
		2861	2,192					
1283,8	1475,26			,021	,82287	,01743	-,01377	-,03120
		2985	2,192					
1285,8	1478,25			-,023	,82244	-,01889	-,01300	,00588
		2851	2,192					
1287,8	1481,10			-,009	,82237	-,00731	,02672	,03403
		2801	2,192					
1289,8	1483,90			,003	,82236	,00271	-,01546	-,01817
		2819	2,192					
1291,8	1486,72			,014	,82220	,01163	,01246	,00083
		2900	2,192					
1293,8	1489,62			-,013	,82207	-,01030	-,01508	-,00478
		2829	2,192					
1295,8	1492,45			,004	,82205	,00341	-,00482	-,00823
		2852	2,192					
1297,8	1495,30			,009	,82199	,00703	,01359	,00657
		2901	2,192					
1299,8	1498,20			,007	,82196	,00535	,03158	,02623
		2939	2,192					
1301,8	1501,14			,005	,82194	,00436	-,00542	-,00978
		2971	2,192					
1303,8	1504,11			-,022	,82153	-,01816	-,01288	,00528
		2842	2,192					
1305,8	1506,95			-,010	,82145	-,00821	-,00147	,00674
		2786	2,192					
1307,8	1509,74			,009	,82138	,00761	,00664	-,00097
		2838	2,192					
1309,8	1512,58			-,006	,82135	-,00512	-,03075	-,02563
		2803	2,192					
1311,8	1515,38			,004	,82134	,00342	,01166	,00824
		2826	2,192					
1313,8	1518,21			-,003	,82133	-,00224	-,00573	-,00350
		2811	2,192					
1315,8	1521,02			,038	,82016	,03100	,04304	,01204
		3032	2,192					
1317,8	1524,05			-,011	,82006	-,00915	-,01332	-,00417
		2965	2,192					
1319,8	1527,01			-,011	,81997	-,00865	-,02264	-,01399
		2903	2,192					

457147

TWO WAY TRAVEL TIME MS	DEPTH FROM SRD (OR TOP) M	INTERVAL VELOCITY M/S	INTERVAL DENSITY G/C3	REFLECT. COEFF.	TWO WAY ATTEN. COEFF.	SYNTHETIC SEISMO. PRIMARY	PRIMARY + MULTIPLES	MULTIPLES ONLY
1321.8	1529.92			-.001	.81996	-.00119	-.00385	-.00266
		2894	2.192					
1323.8	1532.81			.001	.81996	.00074	.02192	.02118
		2900	2.192					
1325.8	1535.71			-.006	.81993	-.00502	-.00864	-.00362
		2864	2.192					
1327.8	1538.57			.015	.81974	.01260	.00312	-.00949
		2954	2.192					
1329.8	1541.53			-.015	.81955	-.01241	-.01908	-.00667
		2866	2.192					
1331.8	1544.39			-.001	.81955	-.00103	.00195	.00299
		2859	2.192					
1333.8	1547.25			-.006	.81952	-.00485	-.01621	-.01137
		2825	2.192					
1335.8	1550.08			-.008	.81947	-.00625	.00313	.00937
		2782	2.192					
1337.8	1552.86			-.023	.81905	-.01858	-.00239	.01620
		2659	2.192					
1339.8	1555.52			.015	.81886	.01263	-.02384	-.03647
		2742	2.192					
1341.8	1558.26			-.008	.81880	-.00693	.02200	.02893
		2696	2.192					
1343.8	1560.96			.050	.81679	.04060	.03384	-.00676
		2977	2.192					
1345.8	1563.93			-.027	.81617	-.02243	-.04004	-.01761
		2818	2.192					
1347.8	1566.75			-.010	.81609	-.00783	.00052	.00835
		2765	2.192					
1349.8	1569.52			.031	.81532	.02518	.04148	.01631
		2941	2.192					
1351.8	1572.46			-.009	.81525	-.00741	-.00910	-.00168
		2888	2.192					
1353.8	1575.35			.008	.81520	.00629	.00345	-.00283
		2933	2.192					
1355.8	1578.28			.006	.81518	.00458	.01552	.01094
		2966	2.192					
1357.8	1581.24			.011	.81509	.00863	.01203	.00340
		3029	2.192					
1359.8	1584.27			-.002	.81508	-.00194	-.00464	-.00269
		3015	2.192					
1361.8	1587.29			.006	.81505	.00459	-.00908	-.01367
		3049	2.192					
1363.8	1590.34			-.002	.81505	-.00123	.01495	.01618
		3040	2.192					
1365.8	1593.38			-.005	.81504	-.00378	-.00281	.00097
		3012	2.192					
1367.8	1596.39			.015	.81486	.01196	.00559	-.00636
		3101	2.192					
1369.8	1599.49			-.003	.81485	-.00267	-.00134	.00132

TWO WAY TRAVEL TIME MS	DEPTH FROM SRD (OR TOP) M	INTERVAL VELOCITY M/S	INTERVAL DENSITY G/C3	REFLECT. COEFF.	TWO WAY ATTEN. COEFF.	SYNTHETIC SEISMO. PRIMARY	PRIMARY + MULTIPLES	MULTIPLES ONLY
		3081	2.192					
1371.8	1602.57			.001	.81485	.00043	-.00176	-.00219
		3084	2.192					
1373.8	1605.66			-.014	.81470	-.01126	-.00141	.00986
		3000	2.192					
1375.8	1608.66			-.077	.80986	-.06276	-.06796	-.00520
		2571	2.192					
1377.8	1611.23			-.025	.80935	-.02033	-.00817	.01216
		2445	2.192					
1379.8	1613.67			.022	.80896	.01786	-.00790	-.02576
		2555	2.192					
1381.8	1616.23			.032	.80813	.02585	.03171	.00587
		2724	2.192					
1383.8	1618.95			.003	.80812	.00243	.00229	-.00014
		2741	2.192					
1385.8	1621.69			-.020	.80780	-.01610	-.01713	-.00102
		2634	2.192					
1387.8	1624.33			-.003	.80779	-.00272	-.00790	-.00519
		2616	2.192					
1389.8	1626.94			-.023	.80736	-.01878	-.02096	-.00218
		2497	2.192					
1391.8	1629.44			-.008	.80731	-.00640	-.01535	-.00894
		2458	2.192					
1393.8	1631.90			.002	.80730	.00147	.00211	.00064
		2467	2.192					
1395.8	1634.36			.019	.80700	.01558	.02556	.00998
		2564	2.192					
1397.8	1636.93			-.005	.80698	-.00414	-.02256	-.01842
		2538	2.192					
1399.8	1639.47			.006	.80695	.00488	.01701	.01213
		2569	2.192					
1401.8	1642.03			-.017	.80673	-.01336	.00676	.02012
		2485	2.192					
1403.8	1644.52			-.010	.80665	-.00803	-.03688	-.02885
		2436	2.192					
1405.8	1646.95			-.010	.80657	-.00789	.01109	.01899
		2389	2.192					
1407.8	1649.34			.021	.80623	.01673	-.00153	-.01826
		2490	2.192					
1409.8	1651.83			.003	.80622	.00231	.01019	.00788
		2504	2.192					
1411.8	1654.34			-.002	.80621	-.00182	-.01493	-.01311
		2493	2.192					
1413.8	1656.83			-.025	.80570	-.02043	-.01211	.00832
		2370	2.192					
1415.8	1659.20			.038	.80454	.03059	.01836	-.01223
		2557	2.192					
1417.8	1661.76			0	.80454	-.00019	.01404	.01422
		2555	2.192					

457149

TWO WAY TRAVEL TIME MS	DEPTH FROM SRD (OR TOP) M	INTERVAL VELOCITY M/S	INTERVAL DENSITY G/C3	REFLECT. COEFF.	TWO WAY ATTEN. COEFF.	SYNTHETIC SEISMO. PRIMARY	PRIMARY + MULTIPLES	MULTIPLES ONLY
1419.8	1664.31			.003	.80453	.00223	.02005	.01782
		2570	2.192					
1421.8	1666.88			.045	.80292	.03600	.03299	-.00302
		2810	2.192					
1423.8	1669.69			-.061	.79995	-.04881	-.04820	.00060
		2488	2.192					
1425.8	1672.18			.012	.79984	.00932	.00625	-.00307
		2547	2.192					
1427.8	1674.73			.005	.79983	.00374	-.00500	-.00874
		2571	2.192					
1429.8	1677.30			.013	.79969	.01040	.02237	.01196
		2639	2.192					
1431.8	1679.94			-.018	.79942	-.01473	-.02157	-.00684
		2543	2.192					
1433.8	1682.48			-.022	.79904	-.01747	-.01627	.00120
		2434	2.192					
1435.8	1684.91			.019	.79875	.01528	.01687	.00160
		2529	2.192					
1437.8	1687.44			0	.79875	.00037	.00819	.00782
		2532	2.192					
1439.8	1689.97			-.005	.79872	-.00416	-.01997	-.01581
		2505	2.192					
1441.8	1692.48			-.005	.79870	-.00436	-.00536	-.00100
		2478	2.192					
1443.8	1694.96			.003	.79869	.00217	.00217	0
		2492	2.192					
1445.8	1697.45			.017	.79846	.01373	.02837	.01464
		2579	2.192					
1447.8	1700.03			-.007	.79842	-.00574	-.00752	-.00179
		2542	2.192					
1449.8	1702.57			-.002	.79841	-.00123	-.00429	-.00306
		2534	2.192					
1451.8	1705.11			-.005	.79839	-.00436	-.01031	-.00595
		2507	2.192					
1453.8	1707.61			-.002	.79839	-.00122	.00826	.00948
		2499	2.192					
1455.8	1710.11			-.002	.79839	-.00164	.00831	.00995
		2489	2.192					
1457.8	1712.60			.009	.79833	.00695	-.00774	-.01469
		2533	2.192					
1459.8	1715.13			.008	.79828	.00605	.01300	.00695
		2571	2.192					
1461.8	1717.70			.003	.79827	.00200	.00061	-.00139
		2584	2.192					
1463.8	1720.29			.004	.79826	.00333	.01105	.00772
		2606	2.192					
1465.8	1722.89			-.006	.79823	-.00480	-.02074	-.01594
		2575	2.192					
1467.8	1725.47			.075	.79373	.05993	.07002	.01010

457150

TWO WAY TRAVEL TIME MS	DEPTH FROM SRD (OR TOP) M	INTERVAL VELOCITY M/S	INTERVAL DENSITY G/C3	REFLECT. COEFF.	TWO WAY ATTEN. COEFF.	SYNTHETIC SEISMO. PRIMARY	PRIMARY + MULTIPLES	MULTIPLES ONLY
		2993	2,192					
1469,8	1728,46			,038	,79261	,02991	,03903	,00912
		3227	2,192					
1471,8	1731,69			0	,79261	-,00001	-,00087	-,00086
		3227	2,192					
1473,8	1734,92			-,019	,79231	-,01523	,00755	,02278
		3105	2,192					
1475,8	1738,02			-,002	,79231	-,00169	-,01693	-,01523
		3092	2,192					
1477,8	1741,11			,005	,79229	,00427	,00387	-,00040
		3126	2,192					
1479,8	1744,24			-,004	,79227	-,00323	-,01624	-,01300
		3100	2,192					
1481,8	1747,34			,019	,79197	,01545	,00689	-,00855
		3223	2,192					
1483,8	1750,56			-,010	,79189	-,00784	,01871	,02655
		3160	2,192					
1485,8	1753,72			-,033	,79101	-,02647	-,02563	,00083
		2941	2,203					
1487,8	1756,66			-,039	,78982	-,03073	-,05079	-,02006
		2755	2,176					
1489,8	1759,42			,056	,78730	,04461	,03212	-,01249
		2951	2,275					
1491,8	1762,37			-,029	,78663	-,02282	-,01461	,00821
		2844	2,227					
1493,8	1765,21			-,016	,78644	-,01226	-,00367	,00859
		2796	2,195					
1495,8	1768,01			-,005	,78642	-,00397	-,00445	-,00048
		2795	2,175					
1497,8	1770,80			,095	,77933	,07469	,08254	,00785
		3159	2,327					
1499,8	1773,96			-,035	,77839	-,02714	-,02169	,00545
		3038	2,257					
1501,8	1777,00			-,033	,77754	-,02561	-,01960	,00601
		2887	2,224					
1503,8	1779,89			,035	,77658	,02729	,00973	-,01757
		2970	2,320					
1505,8	1782,86			,045	,77499	,03525	,01074	-,02450
		3251	2,321					
1507,8	1786,11			-,023	,77459	-,01754	,01295	,03049
		3223	2,237					
1509,8	1789,33			-,016	,77438	-,01258	-,02042	-,00784
		3176	2,198					
1511,8	1792,51			-,002	,77438	-,00186	,01143	,01329
		3029	2,293					
1513,8	1795,54			-,012	,77427	-,00904	-,00896	,00008
		3043	2,230					
1515,8	1798,58			,038	,77314	,02965	,02604	-,00361
		3202	2,288					

TWO WAY TRAVEL TIME MS	DEPTH FROM SRD (OR TOP) M	INTERVAL VELOCITY M/S	INTERVAL DENSITY G/C3	REFLECT. COEFF.	TWO WAY ATTEN. COEFF.	SYNTHETIC SEISMO. PRIMARY	PRIMARY + MULTIPLES	MULTIPLES ONLY
1517.8	1801.78			-.010	.77306	-.00763	-.03759	-.02996
		3150	2.280					
1519.8	1804.93			-.041	.77174	-.03202	.01231	.04433
		2958	2.235					
1521.8	1807.89			.057	.76919	.04433	.03396	-.01037
		3158	2.349					
1523.8	1811.05			-.030	.76851	-.02295	-.02501	-.00206
		3054	2.288					
1525.8	1814.10			-.017	.76830	-.01273	-.01951	-.00677
		3004	2.250					
1527.8	1817.11			.057	.76576	.04413	.03512	-.00901
		3228	2.349					
1529.8	1820.33			.022	.76539	.01673	.03210	.01537
		3357	2.360					
1531.8	1823.69			-.108	.75648	-.08259	-.07982	.00276
		2988	2.135					
1533.8	1826.68			-.067	.75313	-.05036	-.04928	.00108
		2739	2.039					
1535.8	1829.42			.166	.73250	.12467	.08614	-.03853
		3261	2.391					
1537.8	1832.68			-.139	.71827	-.10207	-.05769	.04438
		2816	2.092					
1539.8	1835.50			.065	.71527	.04643	.04783	.00140
		2966	2.261					
1541.8	1838.46			.094	.70897	.06711	.02946	-.03765
		3368	2.403					
1543.8	1841.83			-.007	.70894	-.00514	.02392	.02906
		3347	2.383					
1545.8	1845.18			-.042	.70772	-.02942	-.01635	.01307
		3172	2.314					
1547.8	1848.35			-.027	.70721	-.01888	-.01790	.00098
		3105	2.241					
1549.8	1851.45			-.021	.70690	-.01482	-.03519	-.02038
		3080	2.167					
1551.8	1854.53			-.010	.70682	-.00735	.00747	.01482
		2951	2.215					
1553.8	1857.49			.026	.70633	.01871	-.00623	-.02494
		3093	2.228					
1555.8	1860.58			.031	.70567	.02165	.03074	.00909
		3165	2.315					
1557.8	1863.74			.003	.70566	.00177	-.01274	-.01451
		3185	2.312					
1559.8	1866.93			-.015	.70551	-.01047	.00570	.01617
		3173	2.253					
1561.8	1870.10			.092	.69956	.06475	.06971	.00496
		3555	2.417					
1563.8	1873.66			-.088	.69411	-.06177	-.03187	.02990
		3174	2.268					
1565.8	1876.83			-.035	.69328	-.02403	-.03658	-.01255

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TWO WAY TRAVEL TIME MS	DEPTH FROM SRD (OR TOP) M	INTERVAL VELOCITY M/S	INTERVAL DENSITY G/C3	REFLECT. COEFF.	TWO WAY ATTEN. COEFF.	SYNTHETIC SEISMO. PRIMARY	PRIMARY + MULTIPLES	MULTIPLES ONLY
		3073	2,186					
1567,8	1879,90			-,105	,68561	-,07293	-,10373	-,03080
		2779	1,957					
1569,8	1882,68			,159	,66828	,10899	,11929	,01030
		3235	2,317					
1571,8	1885,92			-,079	,66412	-,05274	-,04359	,00915
		2980	2,147					
1573,8	1888,90			,143	,65052	,09505	,10511	,01005
		3489	2,446					
1575,8	1892,39			,053	,64869	,03447	,05729	,02282
		3885	2,443					
1577,8	1896,27			-,089	,64356	-,05769	-,05535	,00235
		3398	2,337					
1579,8	1899,67			-,069	,64051	-,04429	-,06919	-,02490
		3170	2,183					
1581,8	1902,84			,012	,64042	,00756	,00205	-,00551
		3193	2,219					
1583,8	1906,03			,002	,64042	,00103	,01927	,01824
		3167	2,244					
1585,8	1909,20			,074	,63693	,04726	,01309	-,03417
		3413	2,414					
1587,8	1912,61			-,036	,63608	-,02324	-,00441	,01883
		3235	2,368					
1589,8	1915,85			-,034	,63533	-,02193	-,04360	-,02167
		3203	2,232					
1591,8	1919,05			,027	,63486	,01714	,01565	-,00150
		3328	2,267					
1593,8	1922,38			-,021	,63458	-,01345	-,01614	-,00269
		3247	2,227					
1595,8	1925,62			-,005	,63457	-,00293	,02450	,02743
		3225	2,222					
1597,8	1928,85			-,010	,63450	-,00648	,00892	,01540
		3190	2,201					
1599,8	1932,04			,032	,63386	,02016	-,01340	-,03356
		3228	2,317					
1601,8	1935,27			,055	,63194	,03491	,08380	,04889
		3453	2,419					
1603,8	1938,72			-,049	,63045	-,03070	-,05700	-,02630
		3289	2,305					
1605,8	1942,01			-,007	,63041	-,00437	-,02975	-,02538
		3289	2,273					
1607,8	1945,30			,004	,63041	,00224	-,00430	-,00654
		3240	2,323					
1609,8	1948,54			-,016	,63026	-,00978	,03837	,04815
		3242	2,251					
1611,8	1951,78			,002	,63025	,00109	-,01363	-,01472
		3277	2,235					
1613,8	1955,06			-,009	,63020	-,00582	-,04611	-,04029
		3214	2,237					

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TWO WAY TRAVEL TIME MS	DEPTH FROM SRD (OR TOP) M	INTERVAL VELOCITY M/S	INTERVAL DENSITY G/C3	REFLECT. COEFF.	TWO WAY ATTEN. COEFF.	SYNTHETIC SEISMO. PRIMARY	PRIMARY + MULTIPLES	MULTIPLES ONLY
1615.8	1958.27			-.010	.63014	-.00600	.01790	.02390
		3161	2.232					
1617.8	1961.43			.042	.62902	.02660	.03319	.00659
		3343	2.296					
1619.8	1964.78			-.016	.62885	-.01024	-.03795	-.02771
		3286	2.261					
1621.8	1968.06			.020	.62860	.01254	.04492	.03238
		3324	2.327					
1623.8	1971.39			-.001	.62860	-.00083	-.03953	-.03870
		3308	2.332					
1625.8	1974.69			-.197	.60419	-.12387	-.11549	.00838
		2688	1.924					
1627.8	1977.38			-.001	.60419	-.00085	-.01088	-.01003
		2736	1.885					
1629.8	1980.12			.230	.57230	.13880	.10536	-.03344
		3410	2.415					
1631.8	1983.53			-.012	.57222	-.00672	.01663	.02334
		3405	2.362					
1633.8	1986.93			.040	.57132	.02274	.09169	.06895
		3594	2.424					
1635.8	1990.53			-.058	.56937	-.03338	-.06446	-.03107
		3351	2.312					
1637.8	1993.88			-.008	.56934	-.00440	-.02242	-.01802
		3308	2.306					
1639.8	1997.19			-.006	.56931	-.00361	.03929	.04290
		3324	2.266					
1641.8	2000.51			-.028	.56888	-.01570	-.03006	-.01436
		3203	2.226					
1643.8	2003.71			.037	.56812	.02086	-.00101	-.02186
		3325	2.307					
1645.8	2007.04			-.022	.56785	-.01225	-.00354	.00871
		3289	2.234					
1647.8	2010.33			-.023	.56756	-.01290	.00227	.01517
		3176	2.211					
1649.8	2013.50			-.012	.56748	-.00677	-.04196	-.03519
		3087	2.221					
1651.8	2016.59			-.444	.45573	-.25182	-.25667	-.00485
		2156	1.225					
1653.8	2018.75			.338	.40373	.15394	.07028	-.08366
		2780	1.920					
1655.8	2021.53			.143	.39552	.05756	.09910	.04153
		3154	2.255					
1657.8	2024.68			.020	.39537	.00778	.06294	.05515
		3191	2.318					
1659.8	2027.87			-.007	.39535	-.00259	.00930	.01189
		3191	2.287					
1661.8	2031.06			.056	.39409	.02232	-.01297	-.03529
		3438	2.377					
1663.8	2034.50			-.012	.39404	-.00465	.08013	.08478

TWO WAY TRAVEL TIME MS	DEPTH FROM SRD (OR TOP) M	INTERVAL VELOCITY M/S	INTERVAL DENSITY G/C3	REFLECT. COEFF.	TWO WAY ATTEN. COEFF.	SYNTHETIC SEISMO. PRIMARY	PRIMARY + MULTIPLES	MULTIPLES ONLY
		3381	2,361					
1665,8	2037,88			,002	,39404	,00090	,02432	,02342
		3370	2,380					
1667,8	2041,25			-,001	,39404	-,00022	,01179	,01201
		3366	2,380					
1669,8	2044,62			,020	,39388	,00794	-,02752	-,03547
		3469	2,404					
1671,8	2048,09			-,045	,39310	-,01753	,03475	,05228
		3291	2,318					
1673,8	2051,38			-,064	,39149	-,02511	-,05883	-,03372
		3060	2,194					
1675,8	2054,44			,046	,39067	,01795	-,00630	-,02425
		3265	2,253					
1677,8	2057,70			,023	,39046	,00899	,02186	,01287
		3316	2,324					
1679,8	2061,02			,011	,39041	,00444	,00644	,00200
		3356	2,349					
1681,8	2064,37			-,043	,38970	-,01667	,00699	,02366
		3209	2,255					
1683,8	2067,58			,033	,38928	,01277	-,02036	-,03313
		3308	2,336					
1685,8	2070,89			-,007	,38927	-,00254	,03166	,03419
		3280	2,326					
1687,8	2074,17			-,023	,38907	-,00885	-,03154	-,02269
		3246	2,245					
1689,8	2077,42			,012	,38901	,00477	,03615	,03138
		3307	2,258					
1691,8	2080,72			,005	,38900	,00176	-,05044	-,05220
		3326	2,266					
1693,8	2084,05			,006	,38899	,00231	-,01369	-,01599
		3361	2,270					
1695,8	2087,41			-,012	,38892	-,00484	,04456	,04941
		3336	2,230					
1697,8	2090,75			,028	,38862	,01092	,04703	,03611
		3490	2,255					
1699,8	2094,24			-,002	,38862	-,00076	-,00544	-,00468
		3449	2,272					
1701,8	2097,69			-,122	,38282	-,04748	-,08225	-,03477
		3003	2,042					
1703,8	2100,69			,092	,37958	,03521	-,01721	-,05243
		3295	2,238					
1705,8	2103,98			,076	,37741	,02866	,05675	,02809
		3574	2,400					
1707,8	2107,56			,024	,37720	,00895	,04489	,03594
		3692	2,436					
1709,8	2111,25			-,060	,37583	-,02272	-,00741	,01531
		3403	2,343					
1711,8	2114,65			,013	,37577	,00494	,00652	,00158
		3440	2,380					

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TWO WAY TRAVEL TIME MS	DEPTH FROM SRD (OR TOP) M	INTERVAL VELOCITY M/S	INTERVAL DENSITY G/C3	REFLECT. COEFF.	TWO WAY ATTEN. COEFF.	SYNTHETIC SEISMO. PRIMARY	PRIMARY + MULTIPLES	MULTIPLES ONLY
1713.8	2118.09			-.022	.37558	-.00837	-.01859	-.01022
		3369	2.324					
1715.8	2121.46			-.023	.37539	-.00859	.02461	.03320
		3275	2.283					
1717.8	2124.74			.053	.37432	.02001	-.08415	-.10416
		3448	2.413					
1719.8	2128.19			.037	.37380	.01397	.04265	.02868
		3617	2.479					
1721.8	2131.80			.032	.37342	.01181	.04710	.03529
		3732	2.559					
1723.8	2135.53			-.040	.37282	-.01503	.00985	.02488
		3507	2.513					
1725.8	2139.04			-.015	.37274	-.00541	-.01532	-.00991
		3461	2.473					
1727.8	2142.50			-.024	.37253	-.00895	.00219	.01114
		3367	2.423					
1729.8	2145.87			-.047	.37169	-.01766	-.03568	-.01803
		3201	2.318					
1731.8	2149.07			.054	.37062	.01992	.00381	-.01611
		3466	2.384					
1733.8	2152.54			-.087	.36781	-.03227	-.01582	.01645
		3068	2.261					
1735.8	2155.60			.106	.36368	.03898	.03968	.00070
		3451	2.487					
1737.8	2159.06			-.065	.36215	-.02359	-.05437	-.03078
		3164	2.382					
1739.8	2162.22			.060	.36085	.02168	.07325	.05157
		3440	2.470					
1741.8	2165.66			-.072	.35899	-.02592	-.06282	-.03690
		3245	2.267					
1743.8	2168.90			-.118	.35400	-.04232	-.06738	-.02506
		2893	2.007					
1745.8	2171.80			.062	.35266	.02179	.03042	.00863
		2946	2.229					
1747.8	2174.74			.034	.35226	.01193	-.00117	-.01310
		3097	2.269					
1749.8	2177.84			-.224	.33462	-.07881	-.10934	-.03053
		2576	1.731					
1751.8	2180.42			.275	.30925	.09215	.05783	-.03432
		3265	2.403					
1753.8	2183.68			.070	.30773	.02168	.05518	.03351
		3615	2.498					
1755.8	2187.30			-.029	.30747	-.00892	-.00782	.00110
		3477	2.451					
1757.8	2190.77			-.065	.30615	-.02014	.02449	.04463
		3283	2.276					
1759.8	2194.06			.018	.30605	.00563	.06338	.05774
		3394	2.284					
1761.8	2197.45			-.076	.30429	-.02320	-.02033	.00286

TWO WAY TRAVEL TIME MS	DEPTH FROM SRD (OR TOP) M	INTERVAL VELOCITY M/S	INTERVAL DENSITY G/C3	REFLECT. COEFF.	TWO WAY ATTEN. COEFF.	SYNTHETIC SEISMO. PRIMARY	PRIMARY + MULTIPLES	MULTIPLES ONLY
		3129	2,129					
1763,8	2200,58			-,427	,24876	-,12998	-,16559	-,03561
		2185	1,223					
1765,8	2202,76			,288	,22815	,07162	,00872	-,06290
		2728	1,773					
1767,8	2205,49			,305	,20687	,06967	-,03655	-,10622
		3720	2,443					
1769,8	2209,21			-,073	,20576	-,01517	,10376	,11893
		3348	2,343					
1771,8	2212,56			,031	,20556	,00644	,00803	,00159
		3526	2,369					
1773,8	2216,09			-,058	,20486	-,01201	,00711	,01911
		3224	2,304					
1775,8	2219,31			-,009	,20484	-,00178	,00599	,00777
		3226	2,263					
1777,8	2222,54			,012	,20481	,00249	,04879	,04630
		3322	2,252					
1779,8	2225,86			-,014	,20477	-,00288	,01808	,02095
		3250	2,238					
1781,8	2229,11			,006	,20476	,00121	-,05204	-,05324
		3277	2,246					
1783,8	2232,38			,028	,20460	,00572	,01698	,01126
		3440	2,262					
1785,8	2235,83			,004	,20460	,00073	-,02754	-,02827
		3433	2,283					
1787,8	2239,26			-,031	,20440	-,00635	,02196	,02831
		3306	2,229					
1789,8	2242,56			,005	,20440	,00108	,03104	,02995
		3345	2,225					
1791,8	2245,91			-,099	,20238	-,02031	-,03621	-,01590
		2952	2,066					
1793,8	2248,86			,148	,19796	,02992	,03653	,00662
		3462	2,373					
1795,8	2252,32			,026	,19782	,00511	,02412	,01902
		3576	2,419					
1797,8	2255,90			-,023	,19772	-,00455	,03661	,04116
		3492	2,366					
1799,8	2259,39			-,023	,19761	-,00459	,00233	,00692
		3392	2,325					
1801,8	2262,78			-,013	,19758	-,00257	-,03717	-,03460
		3413	2,251					
1803,8	2266,20			,013	,19755	,00251	-,04919	-,05170
		3456	2,281					
1805,8	2269,65			,008	,19753	,00165	,01852	,01687
		3495	2,293					
1807,8	2273,15			-,136	,19389	-,02681	-,00438	,02244
		2990	2,040					
1809,8	2276,14			-,363	,16831	-,07044	-,06885	,00159
		2246	1,268					

TWO WAY TRAVEL TIME MS	DEPTH FROM SRD (OR TOP) M	INTERVAL VELOCITY M/S	INTERVAL DENSITY G/C3	REFLECT. COEFF.	TWO WAY ATTEN. COEFF.	SYNTHETIC SEISMO. PRIMARY	PRIMARY + MULTIPLES	MULTIPLES ONLY
1811.8	2278.38			.439	.13582	.07395	.06492	-.00902
		3231	2.263					
1813.8	2281.61			.028	.13571	.00384	-.01197	-.01581
		3313	2.335					
1815.8	2284.93			.051	.13536	.00690	-.02997	-.03687
		3507	2.442					
1817.8	2288.43			-.031	.13523	-.00414	.01722	.02136
		3416	2.359					
1819.8	2291.85			-.005	.13523	-.00063	-.05246	-.05182
		3381	2.361					
1821.8	2295.23			.099	.13391	.01337	.08551	.07215
		3807	2.557					
1823.8	2299.04			-.050	.13358	-.00665	.03685	.04350
		3612	2.440					
1825.8	2302.65			-.075	.13282	-.01005	.04202	.05207
		3313	2.287					
1827.8	2305.96			.093	.13167	.01236	.00058	-.01178
		3684	2.479					
1829.8	2309.65			-.041	.13145	-.00545	.00025	.00570
		3538	2.376					
1831.8	2313.18			-.011	.13143	-.00142	-.05868	-.05726
		3494	2.355					
1833.8	2316.68			-.001	.13143	-.00015	-.05116	-.05101
		3470	2.365					
1835.8	2320.15			-.075	.13069	-.00988	.04737	.05725
		3142	2.247					
1837.8	2323.29			-.049	.13038	-.00638	-.01059	-.00421
		3073	2.084					
1839.8	2326.36			.197	.12530	.02573	.01040	-.01533
		3786	2.523					
1841.8	2330.15			-.099	.12407	-.01238	-.03278	-.02040
		3389	2.312					
1843.8	2333.54			-.035	.12393	-.00430	.04020	.04450
		3291	2.221					
1845.8	2336.83			.032	.12380	.00401	.03627	.03226
		3295	2.367					
1847.8	2340.12			-.108	.12234	-.01340	-.09126	-.07786
		2932	2.140					
1849.8	2343.06			.122	.12053	.01489	.00948	-.00540
		3353	2.390					
1851.8	2346.41			.010	.12052	.00119	.03087	.02968
		3368	2.427					
1853.8	2349.78			-.203	.11558	-.02441	-.08872	-.06431
		2692	2.013					
1855.8	2352.47			.118	.11397	.01362	.02860	.01498
		3152	2.179					
1857.8	2355.62			.104	.11275	.01180	.05804	.04624
		3554	2.379					
1859.8	2359.18			-.013	.11273	-.00151	-.00021	.00130

TWO WAY TRAVEL TIME MS	DEPTH FROM SRD (OR TOP) M	INTERVAL VELOCITY M/S	INTERVAL DENSITY G/C3	REFLECT. COEFF.	TWO WAY ATTEN. COEFF.	SYNTHETIC SEISMO. PRIMARY	PRIMARY + MULTIPLES	MULTIPLES ONLY
		3543	2.323					
1861.8	2362.72			.020	.11269	.00224	-.04307	-.04531
		3643	2.350					
1863.8	2366.36			-.010	.11268	-.00111	.06808	.06919
		3595	2.336					
1865.8	2369.96			-.039	.11250	-.00443	-.03054	-.02612
		3362	2.309					
1867.8	2373.32			.011	.11249	.00120	-.00014	-.00134
		3417	2.321					
1869.8	2376.74			-.030	.11239	-.00337	-.00509	-.00172
		3294	2.267					
1871.8	2380.03			-.122	.11071	-.01374	-.00806	.00568
		2913	2.005					
1873.8	2382.94			.204	.10608	.02263	.04478	.02215
		3632	2.435					
1875.8	2386.58			-.013	.10606	-.00134	-.03856	-.03723
		3594	2.399					
1877.8	2390.17			-.142	.10394	-.01502	-.01948	-.00446
		3160	2.052					
1879.8	2393.33			.132	.10212	.01375	.00150	-.01225
		3591	2.356					
1881.8	2396.92			-.018	.10208	-.00188	.03309	.03497
		3531	2.310					
1883.8	2400.45			-.011	.10207	-.00112	.01255	.01367
		3487	2.288					
1885.8	2403.94			-.012	.10206	-.00122	.01033	.01155
		3447	2.260					
1887.8	2407.39			-.008	.10205	-.00077	.01931	.02008
		3409	2.251					
1889.8	2410.80			.088	.10126	.00900	-.04693	-.05593
		3799	2.410					
1891.8	2414.60			-.053	.10098	-.00532	-.01623	-.01091
		3535	2.331					
1893.8	2418.13			-.041	.10081	-.00412	.01931	.02343
		3392	2.239					
1895.8	2421.52			.050	.10056	.00507	-.04055	-.04562
		3589	2.340					
1897.8	2425.11			-.074	.10000	-.00747	.01364	.02111
		3336	2.169					
1899.8	2428.45			-.115	.09869	-.01145	.04433	.05579
		2771	2.075					
1901.8	2431.22			.045	.09849	.00442	-.02599	-.03042
		2975	2.114					
1903.8	2434.19			.155	.09613	.01525	.02621	.01096
		3477	2.472					
1905.8	2437.67			-.052	.09587	-.00499	.00305	.00804
		3359	2.306					
1907.8	2441.03			.065	.09546	.00628	.01539	.00911
		3623	2.438					

TWO WAY TRAVEL TIME MS	DEPTH FROM SRD (OR TOP) M	INTERVAL VELOCITY M/S	INTERVAL DENSITY G/C3	REFLECT. COEFF.	TWO WAY ATTEN. COEFF.	SYNTHETIC SEISMO. PRIMARY	PRIMARY + MULTIPLES	MULTIPLES ONLY
1909.8	2444.65			-.033	.09536	-.00311	-.03378	-.03067
		3531	2.344					
1911.8	2448.18			.047	.09514	.00451	-.02177	-.02628
		3771	2.412					
1913.8	2451.95			-.009	.09513	-.00085	-.02872	-.02787
		3700	2.415					
1915.8	2455.65			-.028	.09506	-.00266	.07900	.08166
		3561	2.373					
1917.8	2459.21			.051	.09481	.00484	-.01157	-.01641
		3735	2.505					
1919.8	2462.95			-.060	.09447	-.00570	.03671	.04240
		3513	2.361					
1921.8	2466.46			.056	.09418	.00526	.05445	.04920
		3765	2.463					
1923.8	2470.23			-.022	.09413	-.00206	-.01785	-.01579
		3673	2.416					
1925.8	2473.90			-.014	.09412	-.00129	-.02588	-.02459
		3653	2.364					
1927.8	2477.55			.009	.09411	.00081	-.00474	-.00554
		3652	2.406					
1929.8	2481.21			-.036	.09399	-.00337	.04890	.05227
		3445	2.374					
1931.8	2484.65			-.089	.09325	-.00832	-.03151	-.02319
		3133	2.185					
1933.8	2487.78			.154	.09105	.01432	.01251	-.00182
		3762	2.481					
1935.8	2491.55			-.047	.09085	-.00429	-.05336	-.04908
		3543	2.397					
1937.8	2495.09			.011	.09084	.00096	-.01197	-.01293
		3649	2.378					
1939.8	2498.74			.052	.09060	.00470	-.01760	-.02230
		3840	2.506					
1941.8	2502.58			-.009	.09059	-.00079	.00707	.00786
		3873	2.442					
1943.8	2506.45			-.032	.09049	-.00292	-.02036	-.01743
		3740	2.371					
1945.8	2510.19			-.010	.09048	-.00095	.09429	.09524
		3691	2.352					
1947.8	2513.88			-.040	.09034	-.00360	-.05562	-.05202
		3496	2.293					
1949.8	2517.38			-.013	.09033	-.00117	.02629	.02746
		3462	2.256					
1951.8	2520.84			.075	.08982	.00677	.02054	.01378
		3772	2.407					
1953.8	2524.61			-.071	.08937	-.00635	-.06885	-.06249
		3491	2.257					
1955.8	2528.10			.020	.08933	.00178	.02677	.02499
		3540	2.316					
1957.8	2531.64			.036	.08922	.00326	.03760	.03435

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TWO WAY TRAVEL TIME MS	DEPTH FROM SRD (OR TOP) M	INTERVAL VELOCITY M/S	INTERVAL DENSITY G/C3	REFLECT. COEFF.	TWO WAY ATTEN. COEFF.	SYNTHETIC SEISMO. PRIMARY	PRIMARY + MULTIPLES	MULTIPLES ONLY
		3657	2.411					
1959.8	2535.30			.041	.08906	.00369	-.01856	-.02225
		3802	2.520					
1961.8	2539.10			-.065	.08868	-.00581	-.03282	-.02701
		3634	2.313					
1963.8	2542.74			.017	.08866	.00153	.03031	.02878
		3656	2.380					
1965.8	2546.39			.015	.08864	.00130	.01214	.01084
		3704	2.419					
1967.8	2550.10			-.018	.08861	-.00159	.01558	.01717
		3475	2.488					
1969.8	2553.57			.026	.08855	.00231	.00262	.00031
		3653	2.493					
1971.8	2557.22			.028	.08848	.00250	-.06894	-.07144
		3850	2.503					
1973.8	2561.08			-.005	.08848	-.00045	-.00265	-.00220
		3815	2.501					
1975.8	2564.89			.018	.08845	.00158	.02917	.02760
		3981	2.484					
1977.8	2568.87			-.019	.08842	-.00168	.05160	.05327
		3860	2.466					
1979.8	2572.73			-.089	.08772	-.00784	-.00871	-.00087
		3441	2.315					
1981.8	2576.17			.080	.08716	.00701	-.01462	-.02163
		3754	2.491					
1983.8	2579.93			0	.08716	.00004	.02068	.02064
		3800	2.464					
1985.8	2583.73			-.006	.08716	-.00056	-.02334	-.02279
		3823	2.418					
1987.8	2587.55			-.006	.08715	-.00055	.03100	.03154
		3677	2.483					
1989.8	2591.23			-.021	.08712	-.00181	-.04293	-.04112
		3535	2.477					
1991.8	2594.76			-.017	.08709	-.00152	.01119	.01271
		3587	2.357					
1993.8	2598.35			.011	.08708	.00097	-.02137	-.02233
		3662	2.361					
1995.8	2602.01			-.040	.08694	-.00345	-.04949	-.04604
		3417	2.338					
1997.8	2605.43			.089	.08625	.00777	-.00227	-.01004
		3836	2.491					
1999.8	2609.26			.023	.08620	.00198	.04840	.04642
		3904	2.562					
2001.8	2613.17			-.002	.08620	-.00016	.03690	.03705
		3884	2.566					
2003.8	2617.05			-.185	.08326	-.01594	.00011	.01605
		3100	2.212					
2005.8	2620.15			.039	.08313	.00321	.02712	.02390
		3193	2.320					

TWO WAY TRAVEL TIME MS	DEPTH FROM SRD (OR TOP) M	INTERVAL VELOCITY M/S	INTERVAL DENSITY G/C3	REFLECT. COEFF.	TWO WAY ATTEN. COEFF.	SYNTHETIC SEISMO. PRIMARY	PRIMARY + MULTIPLES	MULTIPLES ONLY
2007.8	2623.35			-.079	.08261	-.00657	-.04955	-.04297
		3046	2.076					
2009.8	2626.39			.177	.08003	.01460	-.05585	-.07045
		3688	2.450					
2011.8	2630.08			.009	.08003	.00075	.02222	.02147
		3690	2.495					
2013.8	2633.77			.034	.07993	.00272	.05169	.04897
		3820	2.579					
2015.8	2637.59			-.035	.07983	-.00282	-.03812	-.03530
		3673	2.500					
2017.8	2641.26			.028	.07977	.00223	.01789	.01566
		3787	2.564					
2019.8	2645.05			-.010	.07976	-.00079	-.01436	-.01357
		3805	2.503					
2021.8	2648.85			.024	.07972	.00194	.01357	.01162
		3983	2.510					
2023.8	2652.84			.001	.07972	.00008	.02622	.02614
		3964	2.527					
2025.8	2656.80			.006	.07971	.00048	.02171	.02123
		3972	2.552					
2027.8	2660.77			-.036	.07961	-.00285	-.00536	-.00251
		3796	2.486					
2029.8	2664.57			.023	.07957	.00181	-.01537	-.01719
		3841	2.572					
2031.8	2668.41			-.013	.07956	-.00104	-.02930	-.02825
		3885	2.476					
2033.8	2672.30			0	.07956	0	.03239	.03239
		3946	2.439					
2035.8	2676.24			.012	.07955	.00095	.02055	.01960
		3905	2.523					
2037.8	2680.15			.036	.07944	.00288	.00769	.00482
		4125	2.568					
2039.8	2684.27			-.135	.07800	-.01071	-.01886	-.00815
		3330	2.425					
2041.8	2687.60			.050	.07780	.00390	.02557	.02167
		3652	2.444					
2043.8	2691.25			.010	.07780	.00077	-.02203	-.02280
		3718	2.448					
2045.8	2694.97			-.087	.07721	-.00676	-.01161	-.00485
		3303	2.315					
2047.8	2698.28			.144	.07561	.01110	-.06106	-.07216
		3973	2.571					
2049.8	2702.25			-.217	.07205	-.01642	-.00583	.01060
		3171	2.072					
2051.8	2705.42			.180	.06970	.01299	.03556	.02257
		3828	2.472					
2053.8	2709.25			-.005	.06970	-.00038	-.01222	-.01185
		3745	2.499					
2055.8	2712.99			-.029	.06964	-.00205	.01752	.01957

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TWO WAY TRAVEL TIME MS	DEPTH FROM SRD (OR TOP) M	INTERVAL VELOCITY M/S	INTERVAL DENSITY G/C3	REFLECT. COEFF.	TWO WAY ATTEN. COEFF.	SYNTHETIC SEISMO. PRIMARY	PRIMARY + MULTIPLES	MULTIPLES ONLY
		3685	2,395					
2057,8	2716,68			,006	,06964	,00043	-,00222	-,00265
		3703	2,413					
2059,8	2720,38			-,005	,06964	-,00034	,01048	,01082
		3700	2,391					
2061,8	2724,08			-,005	,06964	-,00034	,00182	,00216
		3685	2,377					
2063,8	2727,76			-,090	,06908	-,00624	-,02675	-,02052
		3341	2,191					
2065,8	2731,11			,018	,06906	,00121	-,02851	-,02972
		3415	2,220					
2067,8	2734,52			,113	,06818	,00779	,01950	,01171
		3899	2,439					
2069,8	2738,42			-,068	,06787	-,00460	,02223	,02683
		3565	2,330					
2071,8	2741,99			,034	,06779	,00230	,02297	,02068
		3747	2,372					
2073,8	2745,73			,022	,06775	,00152	-,03633	-,03784
		3816	2,436					
2075,8	2749,55			,057	,06753	,00388	,02092	,01704
		4049	2,575					
2077,8	2753,60			-,224	,06416	-,01510	-,02646	-,01136
		3070	2,155					
2079,8	2756,67			,166	,06240	,01063	,03166	,02103
		3792	2,438					
2081,8	2760,46			,007	,06240	,00041	-,00659	-,00700
		3700	2,531					
2083,8	2764,16			-,068	,06211	-,00422	-,03400	-,02979
		3449	2,372					
2085,8	2767,61			,070	,06181	,00433	-,02601	-,03034
		3828	2,457					
2087,8	2771,43			-,044	,06169	-,00273	,00620	,00893
		3454	2,493					
2089,8	2774,89			,024	,06165	,00145	,00222	,00077
		3655	2,469					
2091,8	2778,54			,005	,06165	,00034	-,02278	-,02312
		3713	2,458					
2093,8	2782,26			,033	,06159	,00202	,02552	,02350
		3853	2,529					
2095,8	2786,11			,020	,06156	,00124	,06057	,05933
		3891	2,607					
2097,8	2790,00			,016	,06155	,00097	-,00788	-,00885
		4012	2,610					
2099,8	2794,01			-,087	,06107	-,00538	,05075	,05614
		3704	2,371					
2101,8	2797,71			,031	,06102	,00189	-,01174	-,01362
		3894	2,400					
2103,8	2801,61			0	,06102	-,00002	-,01951	-,01949
		3933	2,374					

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TWO WAY TRAVEL TIME MS	DEPTH FROM SRD (OR TOP) M	INTERVAL VELOCITY M/S	INTERVAL DENSITY G/C3	REFLECT. COEFF.	TWO WAY ATTEN. COEFF.	SYNTHETIC SEISMO. PRIMARY	PRIMARY + MULTIPLES	MULTIPLES ONLY
2105.8	2805.54			-.021	.06099	-.00130	.02220	.02350
		3777	2.369					
2107.8	2809.32			.035	.06091	.00212	.02782	.02571
		3975	2.413					
2109.8	2813.29			-.019	.06089	-.00117	-.08818	-.08702
		3904	2.364					
2111.8	2817.20			.038	.06080	.00234	.06707	.06473
		3874	2.573					
2113.8	2821.07			-.045	.06068	-.00272	-.05605	-.05333
		3682	2.475					
2115.8	2824.75			.013	.06067	.00077	.03479	.03402
		3843	2.432					
2117.8	2828.60			-.012	.06066	-.00073	-.04106	-.04033
		3915	2.331					
2119.8	2832.51			.001	.06066	.00006	.05937	.05931
		3862	2.368					
2121.8	2836.37			-.008	.06066	-.00049	.05395	.05444
		3896	2.309					
2123.8	2840.27			.057	.06046	.00343	-.00996	-.01339
		4062	2.481					
2125.8	2844.33			.018	.06044	.00109	-.00600	-.00709
		4086	2.557					
2127.8	2848.42			-.069	.06016	-.00417	-.08019	-.07602
		3809	2.388					
2129.8	2852.23			-.004	.06015	-.00024	.03705	.03729
		3836	2.352					
2131.8	2856.06			.036	.06008	.00214	.00097	-.00117
		4068	2.382					
2133.8	2860.13			-.033	.06001	-.00199	.00491	.00690
		3818	2.375					
2135.8	2863.95			.004	.06001	.00024	.00762	.00738
		3769	2.425					
2137.8	2867.72			-.005	.06001	-.00030	-.04045	-.04016
		3816	2.372					
2139.8	2871.53			.064	.05976	.00386	-.01377	-.01763
		4013	2.565					
2141.8	2875.55			.006	.05976	.00037	.01861	.01824
		4044	2.577					
2143.8	2879.59			.002	.05976	.00012	-.02476	-.02488
		4054	2.581					
2145.8	2883.64			.004	.05976	.00023	.00630	.00607
		4068	2.592					
2147.8	2887.71			-.027	.05971	-.00161	-.00104	.00057
		3988	2.505					
2149.8	2891.70			-.056	.05953	-.00333	.02684	.03017
		3795	2.355					
2151.8	2895.50			-.006	.05953	-.00034	.01498	.01532
		3743	2.361					
2153.8	2899.24			-.050	.05938	-.00297	-.00921	-.00623

TWO WAY TRAVEL TIME MS	DEPTH FROM SRD (OR TOP) M	INTERVAL VELOCITY M/S	INTERVAL DENSITY G/C3	REFLECT. COEFF.	TWO WAY ATTEN. COEFF.	SYNTHETIC SEISMO. PRIMARY	PRIMARY + MULTIPLES	MULTIPLES ONLY
		3231	2.474					
2155.8	2902.47			.007	.05938	.00040	-.01704	-.01744
		3143	2.578					
2157.8	2905.61			.095	.05884	.00564	.02348	.01783
		3839	2.554					
2159.8	2909.45			.035	.05877	.00205	-.00084	-.00289
		4053	2.593					
2161.8	2913.50			.001	.05877	.00009	-.00635	-.00643
		4075	2.587					
2163.8	2917.58			-.024	.05873	-.00143	-.04750	-.04608
		3999	2.511					
2165.8	2921.58			-.002	.05873	-.00010	.02271	.02282
		3968	2.522					
2167.8	2925.55			-.101	.05814	-.00591	.02015	.02606
		3438	2.378					
2169.8	2928.98			.102	.05753	.00594	.06680	.06086
		3991	2.515					
2171.8	2932.98			-.002	.05753	-.00013	.03354	.03366
		3900	2.563					
2173.8	2936.88			-.095	.05701	-.00546	-.08650	-.08104
		3767	2.193					
2175.8	2940.64			.052	.05686	.00299	.02799	.02500
		3782	2.426					
2177.8	2944.42			.031	.05680	.00175	-.07457	-.07632
		3882	2.513					
2179.8	2948.31			-.158	.05539	-.00896	-.00925	-.00029
		3153	2.251					
2181.8	2951.46			.100	.05483	.00556	-.00868	-.01424
		3530	2.460					
2183.8	2954.99			.059	.05464	.00322	.00186	-.00136
		3887	2.512					
2185.8	2958.88			.032	.05459	.00176	.03391	.03215
		4050	2.571					
2187.8	2962.93			-.060	.05439	-.00327	.04034	.04361
		3798	2.431					
2189.8	2966.73			.016	.05438	.00088	-.00574	-.00662
		3780	2.524					
2191.8	2970.51			-.025	.05434	-.00138	-.04266	-.04128
		3646	2.487					
2193.8	2974.15			.020	.05432	.00109	-.05027	-.05137
		3680	2.565					
2195.8	2977.83			-.025	.05429	-.00134	.03214	.03349
		3722	2.414					
2197.8	2981.55			-.022	.05426	-.00117	.00380	.00497
		3466	2.483					
2199.8	2985.02			.085	.05386	.00464	.02186	.01722
		3931	2.598					
2201.8	2988.95			.002	.05386	.00009	.02187	.02178
		3982	2.573					

TWO WAY TRAVEL TIME MS	DEPTH FROM SRD (OR TOP) M	INTERVAL VELOCITY M/S	INTERVAL DENSITY G/C3	REFLECT. COEFF.	TWO WAY ATTEN. COEFF.	SYNTHETIC SEISMO. PRIMARY	PRIMARY + MULTIPLES	MULTIPLES ONLY
2203.8	2992.93			-.018	.05385	-.00096	.03555	.03651
		3896	2.538					
2205.8	2996.83			.002	.05385	.00011	-.00796	-.00807
		3891	2.551					
2207.8	3000.72			.009	.05384	.00049	-.00298	-.00347
		3998	2.528					
2209.8	3004.72			-.039	.05376	-.00208	-.01316	-.01108
		3847	2.432					
2211.8	3008.57			.012	.05375	.00065	.03197	.03132
		3777	2.538					
2213.8	3012.34			.021	.05373	.00112	-.03151	-.03263
		3859	2.590					
2215.8	3016.20			.026	.05370	.00138	-.05486	-.05624
		4030	2.611					
2217.8	3020.23			-.035	.05363	-.00186	.05274	.05460
		3771	2.603					
2219.8	3024.00			-.037	.05356	-.00201	-.01427	-.01226
		3610	2.523					
2221.8	3027.61			.070	.05330	.00373	.00803	.00430
		3995	2.621					
2223.8	3031.61			.020	.05328	.00105	.04912	.04807
		4168	2.613					
2225.8	3035.77			-.039	.05320	-.00206	-.02194	-.01987
		3865	2.608					
2227.8	3039.64			.012	.05319	.00063	.01470	.01407
		3966	2.603					
2229.8	3043.60			-.109	.05255	-.00581	-.02455	-.01874
		3285	2.523					
2231.8	3046.89			.111	.05190	.00585	.02370	.01784
		4045	2.562					
2233.8	3050.93			-.025	.05187	-.00129	-.01885	-.01756
		3935	2.506					
2235.8	3054.87			.008	.05187	.00041	-.00308	-.00349
		3975	2.520					
2237.8	3058.84			-.007	.05186	-.00036	-.01851	-.01816
		3961	2.495					
2239.8	3062.80			-.022	.05184	-.00114	.04521	.04635
		3868	2.444					
2241.8	3066.67			.003	.05184	.00016	-.08371	-.08387
		3879	2.452					
2243.8	3070.55			.016	.05182	.00081	-.01147	-.01228
		3969	2.473					
2245.8	3074.52			.015	.05181	.00078	.02146	.02068
		4092	2.472					
2247.8	3078.61			.125	.05100	.00648	.05700	.05052
		5026	2.588					
2249.8	3083.64			-.117	.05030	-.00597	-.00100	.00498
		4152	2.476					
2251.8	3087.79			-.145	.04924	-.00732	.02910	.03641

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TWO WAY TRAVEL TIME MS	DEPTH FROM SRD (OR TOP) M	INTERVAL VELOCITY M/S	INTERVAL DENSITY G/C3	REFLECT. COEFF.	TWO WAY ATTEN. COEFF.	SYNTHETIC SEISMO. PRIMARY	PRIMARY + MULTIPLES	MULTIPLES ONLY
		3115	2,462					
2253.8	3090,91			,037	,04917	,00184	-,03656	-,03840
		3327	2,484					
2255.8	3094,23			-,054	,04903	-,00266	-,04615	-,04350
		2941	2,522					
2257.8	3097,17			,129	,04822	,00630	,00550	-,00080
		3772	2,546					
2259.8	3100,95			-,001	,04822	-,00004	-,00986	-,00982
		3752	2,555					
2261.8	3104,70			,015	,04821	,00073	-,03199	-,03273
		3852	2,566					
2263.8	3108,55			-,034	,04815	-,00163	,03448	,03611
		3631	2,544					
2265.8	3112,18			-,056	,04800	-,00271	-,02269	-,01998
		3341	2,470					
2267.8	3115,52			,082	,04767	,00394	,02457	,02063
		3763	2,586					
2269.8	3119,29			-,061	,04749	-,00293	,01738	,02031
		3543	2,428					
2271.8	3122,83			,083	,04716	,00396	-,00869	-,01265
		3949	2,575					
2273.8	3126,78			-,030	,04712	-,00143	,00846	,00989
		3793	2,524					
2275.8	3130,57			-,033	,04707	-,00155	-,00638	-,00483
		3648	2,457					
2277.8	3134,22			,004	,04707	,00020	-,03019	-,03039
		3708	2,438					
2279.8	3137,93			-,020	,04705	-,00092	,05112	,05204
		3565	2,438					
2281.8	3141,49			-,001	,04705	-,00003	-,06324	-,06322
		3511	2,473					
2283.8	3145,00			-,001	,04705	-,00003	,01727	,01731
		3640	2,382					
2285.8	3148,64			,031	,04701	,00144	,02181	,02037
		3623	2,544					
2287.8	3152,27			-,001	,04701	-,00004	-,02547	-,02544
		3649	2,522					
2289.8	3155,91			,061	,04683	,00286	,02738	,02452
		3964	2,622					
2291.8	3159,88			-,010	,04683	-,00046	,00181	,00227
		3872	2,633					
2293.8	3163,75			-,001	,04683	-,00006	-,00346	-,00340
		3892	2,612					
2295.8	3167,64			-,026	,04680	-,00124	-,01026	-,00902
		3822	2,523					
2297.8	3171,46			,008	,04679	,00038	,00259	,00221
		3959	2,475					
2299.8	3175,42			,001	,04679	,00006	,00347	,00341
		3887	2,528					

TWO WAY TRAVEL TIME MS	DEPTH FROM SRD (OR TOP) M	INTERVAL VELOCITY M/S	INTERVAL DENSITY G/C3	REFLECT. COEFF.	TWO WAY ATTEN. COEFF.	SYNTHETIC SEISMO. PRIMARY	PRIMARY + MULTIPLES	MULTIPLES ONLY
2301.8	3179.31			-.024	.04677	-.00113	.04762	.04875
		3678	2.545					
2303.8	3182.99			-.125	.04603	-.00585	-.03881	-.03296
		3360	2.167					
2305.8	3186.35			.144	.04509	.00661	.01276	.00615
		3753	2.590					
2307.8	3190.10			0	.04509	.00001	-.02868	-.02869
		3797	2.561					
2309.8	3193.90			-.038	.04502	-.00173	.01309	.01482
		3643	2.472					
2311.8	3197.54			.052	.04490	.00236	-.01480	-.01717
		3910	2.559					
2313.8	3201.45			-.130	.04414	-.00582	.03010	.03592
		3494	2.206					
2315.8	3204.94			.085	.04382	.00376	.02156	.01780
		3648	2.506					
2317.8	3208.59			-.005	.04382	-.00020	-.03726	-.03706
		3678	2.462					
2319.8	3212.27			.039	.04375	.00173	-.01101	-.01274
		3846	2.548					
2321.8	3216.12			-.203	.04196	-.00886	.00641	.01528
		2916	2.228					
2323.8	3219.03			.226	.03980	.00950	-.00122	-.01072
		3931	2.621					
2325.8	3222.96			-.055	.03968	-.00219	.00748	.00967
		3675	2.511					
2327.8	3226.64			.035	.03964	.00138	-.01040	-.01178
		3896	2.539					
2329.8	3230.54			-.034	.03959	-.00136	.00165	.00301
		3703	2.494					
2331.8	3234.24			.049	.03950	.00194	-.00476	-.00669
		3939	2.585					
2333.8	3238.18			-.007	.03949	-.00027	.00858	.00885
		3913	2.567					
2335.8	3242.09			-.034	.03945	-.00135	.01724	.01859
		3722	2.520					
2337.8	3245.81			-.013	.03944	-.00050	-.03281	-.03231
		3767	2.428					
2339.8	3249.58			.109	.03897	.00431	-.01489	-.01920
		4329	2.631					
2341.8	3253.91			.014	.03896	.00056	.04783	.04727
		4439	2.641					
2343.8	3258.35			-.066	.03879	-.00256	.00181	.00436
		3932	2.614					
2345.8	3262.28			-.015	.03878	-.00059	-.00498	-.00439
		3851	2.588					
2347.8	3266.13			-.012	.03878	-.00048	.02476	.02524
		3707	2.623					
2349.8	3269.84			-.031	.03874	-.00119	-.01035	-.00916

TWO WAY TRAVEL TIME MS	DEPTH FROM SRD (OR TOP) M	INTERVAL VELOCITY M/S	INTERVAL DENSITY G/C3	REFLECT. COEFF.	TWO WAY ATTEN. COEFF.	SYNTHETIC SEISMO. PRIMARY	PRIMARY + MULTIPLES	MULTIPLES ONLY
		3616	2.528					
2351.8	3273.45			.048	.03865	.00186	.03331	.03146
		3887	2.588					
2353.8	3277.34			.004	.03865	.00015	-.01898	-.01913
		3867	2.622					
2355.8	3281.21			-.038	.03860	-.00147	-.04847	-.04699
		3586	2.620					
2357.8	3284.79			-.003	.03860	-.00012	.06804	.06816
		3711	2.517					
2359.8	3288.50			.007	.03859	.00027	-.04121	-.04148
		3728	2.541					
2361.8	3292.23			.022	.03857	.00086	-.02761	-.02847
		3814	2.597					
2363.8	3296.05			-.055	.03846	-.00211	-.02082	-.01871
		3652	2.430					
2365.8	3299.70			.037	.03841	.00142	.07258	.07115
		3874	2.467					
2367.8	3303.57			.002	.03841	.00008	-.03860	-.03868
		3900	2.461					
2369.8	3307.47			.033	.03836	.00128	-.01647	-.01775
		3950	2.598					
2371.8	3311.42			-.039	.03830	-.00151	.04480	.04631
		3779	2.509					
2373.8	3315.20			.031	.03827	.00119	-.00096	-.00216
		3962	2.547					
2375.8	3319.16			-.023	.03825	-.00087	-.03004	-.02916
		3732	2.583					
2377.8	3322.90			0	.03825	-.00002	.01660	.01662
		3774	2.553					
2379.8	3326.67			-.010	.03824	-.00037	-.01025	-.00988
		3738	2.528					
2381.8	3330.41			-.012	.03824	-.00046	.00619	.00664
		3667	2.516					
2383.8	3334.07			.035	.03819	.00132	-.03175	-.03307
		3784	2.613					
2385.8	3337.86			-.034	.03815	-.00131	.03878	.04008
		3697	2.497					
2387.8	3341.56			.020	.03813	.00076	-.00633	-.00709
		3707	2.592					
2389.8	3345.26			-.047	.03805	-.00179	-.04944	-.04766
		3538	2.473					
2391.8	3348.80			.044	.03798	.00166	-.02632	-.02798
		3683	2.591					
2393.8	3352.48			-.034	.03793	-.00130	.03424	.03554
		3547	2.512					
2395.8	3356.03			.040	.03787	.00152	-.03204	-.03356
		3780	2.554					
2397.8	3359.81			-.020	.03786	-.00076	.00269	.00346
		3641	2.547					

TWO WAY TRAVEL TIME MS	DEPTH FROM SRD (OR TOP) M	INTERVAL VELOCITY M/S	INTERVAL DENSITY G/C3	REFLECT. COEFF.	TWO WAY ATTEN. COEFF.	SYNTHETIC SEISMO. PRIMARY	PRIMARY + MULTIPLES	MULTIPLES ONLY
2399.8	3363.45			-.027	.03783	-.00101	.02326	.02427
		3581	2.455					
2401.8	3367.03			.029	.03780	.00108	.02406	.02298
		3643	2.556					
2403.8	3370.68			-.007	.03780	-.00027	-.04553	-.04526
		3612	2.540					
2405.8	3374.29			-.101	.03741	-.00382	.05883	.06265
		3280	2.283					
2407.8	3377.57			.136	.03671	.00510	-.07944	-.08454
		3800	2.593					
2409.8	3381.37			-.080	.03648	-.00295	.06210	.06506
		3305	2.538					
2411.8	3384.67			.053	.03637	.00193	-.01661	-.01854
		3692	2.526					
2413.8	3388.37			-.003	.03637	-.00010	-.00351	-.00341
		3596	2.579					
2415.8	3391.96			-.041	.03631	-.00148	-.02081	-.01933
		3446	2.481					
2417.8	3395.41			.045	.03624	.00164	.05057	.04893
		3664	2.555					
2419.8	3399.07			.004	.03624	.00014	-.06117	-.06131
		3653	2.583					
2421.8	3402.73			.007	.03624	.00024	.01498	.01474
		3721	2.570					
2423.8	3406.45			.003	.03624	.00011	.04204	.04194
		3708	2.594					
2425.8	3410.15			-.022	.03622	-.00081	-.00880	-.00798
		3626	2.536					
2427.8	3413.78			.026	.03619	.00095	.05310	.05215
		3719	2.605					
2429.8	3417.50			-.039	.03614	-.00140	.00313	.00452
		3604	2.489					
2431.8	3421.10			-.016	.03613	-.00058	-.05915	-.05856
		3573	2.430					
2433.8	3424.68			.013	.03612	.00047	-.04281	-.04329
		3656	2.439					
2435.8	3428.33			.012	.03612	.00043	.10441	.10398
		3600	2.536					
2437.8	3431.93			.014	.03611	.00051	-.08421	-.08472
		3706	2.533					
2439.8	3435.64			.010	.03611	.00034	.00694	.00660
		3738	2.559					
2441.8	3439.38			-.013	.03610	-.00047	-.00230	-.00184
		3673	2.538					
2443.8	3443.05			.026	.03608	.00095	-.02772	-.02867
		3749	2.622					
2445.8	3446.80			.011	.03607	.00040	.07313	.07273
		3819	2.632					
2447.8	3450.62			-.059	.03595	-.00212	-.03146	-.02934

TWO WAY TRAVEL TIME MS	DEPTH FROM SRD (OR TOP) M	INTERVAL VELOCITY M/S	INTERVAL DENSITY G/C3	REFLECT. COEFF.	TWO WAY ATTEN. COEFF.	SYNTHETIC SEISMO. PRIMARY	PRIMARY + MULTIPLES	MULTIPLES ONLY
		3526	2.534					
2449.8	3454.14			.037	.03590	.00132	.02488	.02357
		3669	2.621					
2451.8	3457.81			-.020	.03589	-.00071	.02005	.02075
		3602	2.566					
2453.8	3461.42			-.016	.03588	-.00057	-.01196	-.01139
		3523	2.542					
2455.8	3464.94			-.009	.03587	-.00033	.02857	.02890
		3465	2.537					
2457.8	3468.40			.029	.03584	.00104	-.08636	-.08740
		3690	2.524					
2459.8	3472.09			.011	.03584	.00040	.06637	.06597
		3788	2.515					
2461.8	3475.88			.016	.03583	.00056	-.00458	-.00514
		3864	2.544					
2463.8	3479.75			.052	.03573	.00186	.00468	.00282
		4261	2.560					
2465.8	3484.01			-.103	.03536	-.00368	-.00203	.00164
		3590	2.472					
2467.8	3487.60			.016	.03535	.00056	-.04197	-.04253
		3667	2.497					
2469.8	3491.26			-.054	.03524	-.00190	-.00256	-.00065
		3431	2.396					
2471.8	3494.69			.098	.03491	.00344	.03907	.03563
		3837	2.606					
2473.8	3498.53			-.014	.03490	-.00049	-.06386	-.06337
		3686	2.638					
2475.8	3502.22			-.009	.03490	-.00033	.04173	.04206
		3587	2.660					
2477.8	3505.80			.010	.03489	.00033	.02264	.02230
		3722	2.612					
2479.8	3509.53			-.048	.03482	-.00166	-.00185	-.00019
		3389	2.608					
2481.8	3512.91			.009	.03481	.00033	-.01073	-.01106
		3518	2.561					
2483.8	3516.43			.064	.03467	.00223	.05449	.05226
		3896	2.629					
2485.8	3520.33			-.004	.03467	-.00012	-.00158	-.00146
		3938	2.583					
2487.8	3524.27			-.046	.03460	-.00160	-.03785	-.03625
		3555	2.609					
2489.8	3527.82			-.015	.03459	-.00051	-.01930	-.01879
		3515	2.563					
2491.8	3531.34			-.018	.03458	-.00061	-.01766	-.01706
		3538	2.459					
2493.8	3534.87			.044	.03451	.00152	.00309	.00157
		3612	2.630					
2495.8	3538.49			-.012	.03451	-.00043	-.01467	-.01424
		3521	2.632					

TWO WAY TRAVEL TIME MS	DEPTH FROM SRD (OR TOP) M	INTERVAL VELOCITY M/S	INTERVAL DENSITY G/C3	REFLECT. COEFF.	TWO WAY ATTEN. COEFF.	SYNTHETIC SEISMO. PRIMARY	PRIMARY + MULTIPLES	MULTIPLES ONLY
2497.8	3542.01			.010	.03450	.00034	.03649	.03615
		3634	2.601					
2499.8	3545.64			-.031	.03447	-.00106	-.00776	-.00670
		3460	2.569					
2501.8	3549.10			-.035	.03443	-.00119	-.01487	-.01368
		3364	2.466					
2503.8	3552.47			.035	.03439	.00121	.01206	.01085
		3548	2.508					
2505.8	3556.01			-.036	.03434	-.00125	.04125	.04250
		3366	2.458					
2507.8	3559.38			.051	.03425	.00177	-.05351	-.05527
		3527	2.600					
2509.8	3562.91			-.016	.03424	-.00056	-.05184	-.05128
		3542	2.507					
2511.8	3566.45			.007	.03424	.00025	.05806	.05781
		3658	2.463					
2513.8	3570.11			-.029	.03421	-.00099	.01026	.01124
		3388	2.510					
2515.8	3573.49			.053	.03411	.00182	-.00175	-.00357
		3633	2.604					
2517.8	3577.13			.027	.03409	.00090	-.02332	-.02422
		3775	2.643					
2519.8	3580.90			-.021	.03407	-.00070	-.01345	-.01275
		3755	2.550					
2521.8	3584.66			-.021	.03406	-.00071	.04187	.04258
		3706	2.478					
2523.8	3588.36			-.009	.03406	-.00030	.01544	.01574
		3670	2.459					
2525.8	3592.03			.018	.03405	.00061	-.02416	-.02477
		3779	2.475					
2527.8	3595.81			.007	.03404	.00024	-.00036	-.00060
		3725	2.546					
2529.8	3599.54			-.028	.03402	-.00095	.03417	.03511
		3494	2.567					
2531.8	3603.03			.011	.03401	.00039	.02171	.02133
		3588	2.558					
2533.8	3606.62			.002	.03401	.00006	-.04225	-.04232
		3570	2.580					
2535.8	3610.19			.012	.03401	.00041	-.02886	-.02927
		3727	2.531					
2537.8	3613.92			.033	.03397	.00111	.01418	.01307
		3800	2.650					
2539.8	3617.72			.002	.03397	.00008	-.01083	-.01091
		3788	2.671					
2541.8	3621.50			-.003	.03397	-.00011	.01711	.01722
		3776	2.662					
2543.8	3625.28			-.016	.03396	-.00056	-.00059	-.00003
		3764	2.584					
2545.8	3629.04			-.010	.03396	-.00034	-.01045	-.01011

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TWO WAY TRAVEL TIME MS	DEPTH FROM SRD (OR TOP) M	INTERVAL VELOCITY M/S	INTERVAL DENSITY G/C3	REFLECT. COEFF.	TWO WAY ATTEN. COEFF.	SYNTHETIC SEISMO. PRIMARY	PRIMARY + MULTIPLES	MULTIPLES ONLY
		3752	2.540					
2547.8	3632.80			.001	.03396	.00005	.04792	.04787
		3740	2.555					
2549.8	3636.54			-.010	.03396	-.00033	-.01969	-.01936
		3752	2.498					
2551.8	3640.29			-.030	.03392	-.00103	.01958	.02060
		3583	2.462					
2553.8	3643.87			.040	.03387	.00136	-.03587	-.03723
		3708	2.578					
2555.8	3647.58			.007	.03387	.00024	-.04925	-.04949
		3800	2.551					
2557.8	3651.38			-.018	.03386	-.00062	.03991	.04053
		3746	2.494					
2559.8	3655.12			.006	.03386	.00019	.04905	.04886
		3784	2.497					
2561.8	3658.91			-.008	.03385	-.00029	-.01644	-.01615
		3712	2.503					
2563.8	3662.62			.005	.03385	.00017	.02085	.02069
		3769	2.489					
2565.8	3666.39			-.006	.03385	-.00020	-.01056	-.01036
		3687	2.515					
2567.8	3670.08			.004	.03385	.00012	-.04068	-.04080
		3758	2.485					
2569.8	3673.83			0	.03385	.00001	.01794	.01792
		3822	2.445					
2571.8	3677.66			0	.03385	.00001	-.01667	-.01668
		3658	2.558					
2573.8	3681.31			-.086	.03360	-.00291	.00064	.00355
		3315	2.375					
2575.8	3684.63			.087	.03335	.00293	-.02581	-.02874
		3540	2.649					
2577.8	3688.17			-.019	.03333	-.00062	.03357	.03419
		3428	2.636					
2579.8	3691.60			-.004	.03333	-.00014	.01467	.01481
		3454	2.593					
2581.8	3695.05			.009	.03333	.00032	-.02720	-.02752
		3553	2.569					
2583.8	3698.60			.004	.03333	.00015	-.00112	-.00127
		3558	2.588					
2585.8	3702.16			.017	.03332	.00058	-.00503	-.00561
		3666	2.601					
2587.8	3705.83			-.002	.03332	-.00005	-.01092	-.01087
		3720	2.556					
2589.8	3709.55			.011	.03332	.00038	-.02610	-.02648
		3767	2.582					
2591.8	3713.32			-.031	.03328	-.00102	.00611	.00713
		3598	2.542					
2593.8	3716.91			-.013	.03328	-.00044	-.01128	-.01084
		3473	2.565					

TWO WAY TRAVEL TIME MS	DEPTH FROM SRD (OR TOP) M	INTERVAL VELOCITY M/S	INTERVAL DENSITY G/C3	REFLECT. COEFF.	TWO WAY ATTEN. COEFF.	SYNTHETIC SEISMO. PRIMARY	PRIMARY + MULTIPLES	MULTIPLES ONLY
2595.8	3720.39			.039	.03323	.00131	.03250	.03118
		3709	2.599					
2597.8	3724.10			-.084	.03299	-.00280	.03513	.03793
		3372	2.415					
2599.8	3727.47			.081	.03278	.00266	-.02188	-.02455
		3754	2.550					
2601.8	3731.22			-.020	.03276	-.00065	-.03566	-.03502
		3488	2.638					
2603.8	3734.71			.016	.03276	.00052	.06367	.06316
		3702	2.565					
2605.8	3738.41			-.009	.03275	-.00029	-.06691	-.06662
		3625	2.574					
2607.8	3742.04			.038	.03271	.00125	-.00534	-.00660
		3814	2.641					
2609.8	3745.85			.008	.03270	.00028	.03026	.02998
		3882	2.639					
2611.8	3749.73			-.034	.03266	-.00112	.04810	.04922
		3740	2.557					
2613.8	3753.47			-.011	.03266	-.00037	-.00305	-.00268
		3683	2.539					
2615.8	3757.16			-.005	.03266	-.00016	.00290	.00307
		3622	2.556					
2617.8	3760.78			.041	.03260	.00134	.01608	.01474
		3767	2.668					
2619.8	3764.55			.012	.03260	.00040	.01790	.01751
		3876	2.657					
2621.8	3768.42			-.027	.03258	-.00089	-.04110	-.04020
		3681	2.648					
2623.8	3772.10			.010	.03257	.00032	-.01219	-.01251
		3804	2.613					
2625.8	3775.91			.017	.03256	.00056	.02286	.02229
		3961	2.598					
2627.8	3779.87			-.018	.03255	-.00059	-.01852	-.01793
		3798	2.613					
2629.8	3783.67			-.057	.03245	-.00184	.00106	.00290
		3506	2.527					
2631.8	3787.17			.004	.03245	.00012	.00934	.00921
		3431	2.602					
2633.8	3790.60			.056	.03234	.00182	.00638	.00456
		3861	2.587					
2635.8	3794.46			-.027	.03232	-.00088	-.00944	-.00856
		3652	2.591					
2637.8	3798.12			.001	.03232	.00004	-.04931	-.04935
		3658	2.594					
2639.8	3801.77			-.025	.03230	-.00080	-.00951	-.00871
		3493	2.585					
2641.8	3805.27			.001	.03230	.00002	-.01578	-.01580
		3543	2.552					
2643.8	3808.81			.015	.03229	.00048	.05666	.05618

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TWO WAY TRAVEL TIME MS	DEPTH FROM SRD (OR TOP) M	INTERVAL VELOCITY M/S	INTERVAL DENSITY G/C3	REFLECT. COEFF.	TWO WAY ATTEN. COEFF.	SYNTHETIC SEISMO. PRIMARY	PRIMARY + MULTIPLES	MULTIPLES ONLY
		3672	2.536					
2645.8	3812.48			.014	.03229	.00045	-.01001	-.01046
		3736	2.564					
2647.8	3816.22			-.050	.03221	-.00162	-.01633	-.01472
		3415	2.538					
2649.8	3819.63			.063	.03208	.00204	.03382	.03178
		3763	2.614					
2651.8	3823.39			-.011	.03207	-.00034	.02056	.02090
		3618	2.662					
2653.8	3827.01			-.036	.03203	-.00115	-.05132	-.05017
		3366	2.662					
2655.8	3830.38			.005	.03203	.00017	.02512	.02495
		3398	2.665					
2657.8	3833.78			.010	.03203	.00032	-.04422	-.04454
		3464	2.666					
2659.8	3837.24			-.007	.03203	-.00022	.00650	.00672
		3592	2.536					
2661.8	3840.83			.001	.03203	.00003	.01991	.01989
		3484	2.620					
2663.8	3844.32			-.013	.03202	-.00041	-.02789	-.02748
		3486	2.551					
2665.8	3847.80			.008	.03202	.00025	.01403	.01378
		3541	2.552					
2667.8	3851.34			.067	.03187	.00216	.02651	.02435
		3906	2.648					
2669.8	3855.25			-.015	.03187	-.00049	-.04098	-.04049
		3837	2.613					
2671.8	3859.09			-.008	.03186	-.00024	.03295	.03320
		3809	2.592					
2673.8	3862.90			.079	.03167	.00250	.02282	.02032
		4383	2.636					
2675.8	3867.28			-.022	.03165	-.00069	-.00013	.00056
		4322	2.560					
2677.8	3871.60			-.022	.03164	-.00071	-.01910	-.01839
		4256	2.485					
2679.8	3875.86			.007	.03164	.00022	.03272	.03250
		4241	2.529					
2681.8	3880.10			-.022	.03162	-.00070	.00614	.00684
		4132	2.483					
2683.8	3884.23			.038	.03157	.00121	.02211	.02090
		4195	2.640					
2685.8	3888.42			.003	.03157	.00008	-.00003	-.00011
		4341	2.565					
2687.8	3892.77			.011	.03157	.00035	-.04108	-.04143
		4297	2.649					
2689.8	3897.06			-.002	.03157	-.00008	.05732	.05739
		4344	2.608					
2691.8	3901.41			-.008	.03157	-.00026	-.03036	-.03011
		4402	2.532					

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TWO WAY TRAVEL TIME MS	DEPTH FROM SRD (OR TOP) M	INTERVAL VELOCITY M/S	INTERVAL DENSITY G/C3	REFLECT. COEFF.	TWO WAY ATTEN. COEFF.	SYNTHETIC SEISMO. PRIMARY	PRIMARY + MULTIPLES	MULTIPLES ONLY
2693,8	3905,81			,044	,03151	,00138	-,01015	-,01154
		4742	2,566					
2695,8	3910,55			0	,03151	0	,04727	,04726
		4732	2,572					
2697,8	3915,28			-,013	,03150	-,00042	,02231	,02273
		4456	2,659					
2699,8	3919,74			-,028	,03148	-,00089	-,00900	-,00810
		4288	2,611					
2701,8	3924,03			-,098	,03117	-,00308	,02864	,03172
		3810	2,414					
2703,8	3927,84			,055	,03108	,00172	-,04240	-,04412
		4103	2,504					
2705,8	3931,94			-,007	,03108	-,00021	,00808	,00829
		3959	2,560					
2707,8	3935,90			,026	,03106	,00080	-,00598	-,00678
		4090	2,609					
2709,8	3939,99			-,032	,03103	-,00099	-,04407	-,04309
		3901	2,567					
2711,8	3943,89			,008	,03102	,00026	,05168	,05142
		4089	2,491					
2713,8	3947,98			,021	,03101	,00064	-,06733	-,06797
		4144	2,561					
2715,8	3952,12			-,011	,03101	-,00035	,00573	,00608
		3957	2,621					
2717,8	3956,08			,002	,03101	,00007	,05600	,05593
		4024	2,589					
2719,8	3960,10			,012	,03100	,00037	-,00266	-,00302
		4127	2,585					
2721,8	3964,23			,011	,03100	,00033	-,04039	-,04073
		4282	2,546					
2723,8	3968,51			-,006	,03100	-,00018	-,01961	-,01943
		4297	2,507					
2725,8	3972,81			-,026	,03098	-,00081	,03099	,03180
		4116	2,484					
2727,8	3976,92			,018	,03097	,00055	-,01959	-,02014
		4208	2,518					
2729,8	3981,13			-,001	,03097	-,00003	,08331	,08334
		4218	2,507					
2731,8	3985,35			-,007	,03097	-,00021	-,00102	-,00080
		4099	2,544					
2733,8	3989,45			,009	,03096	,00027	-,02069	-,02095
		4042	2,625					
2735,8	3993,49			,005	,03096	,00017	-,01486	-,01503
		4183	2,564					
2737,8	3997,68			-,005	,03096	-,00016	-,07381	-,07366
		4059	2,617					
2739,8	4001,73			,019	,03095	,00060	,01267	,01206
		4272	2,585					
2741,8	4006,01			-,009	,03095	-,00027	-,01141	-,01114

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TWO WAY TRAVEL TIME MS	DEPTH FROM SRD (OR TOP) M	INTERVAL VELOCITY M/S	INTERVAL DENSITY G/C3	REFLECT. COEFF.	TWO WAY ATTEN. COEFF.	SYNTHETIC SEISMO. PRIMARY	PRIMARY + MULTIPLES	MULTIPLES ONLY
		4240	2.559					
2743.8	4010.25			-.043	.03089	-.00133	.02330	.02463
		4028	2.471					
2745.8	4014.27			.062	.03077	.00193	.02667	.02474
		4373	2.580					
2747.8	4018.65			.015	.03076	.00045	-.07017	-.07062
		4363	2.663					
2749.8	4023.01			-.041	.03071	-.00127	-.01399	-.01272
		4094	2.613					
2751.8	4027.10			.019	.03070	.00058	.08438	.08381
		4323	2.569					
2753.8	4031.43			.030	.03067	.00092	-.05335	-.05427
		4412	2.672					
2755.8	4035.84			-.002	.03067	-.00005	-.00764	-.00759
		4386	2.680					
2757.8	4040.22			-.010	.03067	-.00030	.05724	.05754
		4323	2.666					
2759.8	4044.55			-.010	.03067	-.00031	.03376	.03407
		4288	2.633					
2761.8	4048.84			-.038	.03062	-.00117	-.01987	-.01869
		4152	2.520					
2763.8	4052.99			.023	.03060	.00071	-.00327	-.00399
		4258	2.574					
2765.8	4057.25			.029	.03058	.00088	.00025	-.00063
		4364	2.660					
2767.8	4061.61			-.008	.03058	-.00024	-.02242	-.02217
		4286	2.666					
2769.8	4065.90			-.038	.03053	-.00116	.04380	.04496
		4180	2.534					
2771.8	4070.08			.014	.03053	.00044	-.05852	-.05896
		4153	2.625					
2773.8	4074.23			.007	.03052	.00023	.07450	.07427
		4286	2.581					
2775.8	4078.51			.018	.03051	.00056	.00052	-.00004
		4330	2.649					
2777.8	4082.84			0	.03051	-.00001	.01040	.01040
		4285	2.676					
2779.8	4087.13			-.019	.03050	-.00059	-.02672	-.02613
		4178	2.640					
2781.8	4091.31			.015	.03050	.00046	.02276	.02231
		4472	2.541					
2783.8	4095.78			.033	.03046	.00101	-.02693	-.02794
		4678	2.596					
2785.8	4100.46			-.012	.03046	-.00038	-.01716	-.01678
		4433	2.673					
2787.8	4104.89			-.029	.03043	-.00089	-.02248	-.02159
		4198	2.662					
2789.8	4109.09			-.004	.03043	-.00011	.00006	.00017
		4229	2.624					

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TWO WAY TRAVEL TIME MS	DEPTH FROM SRD (OR TOP) M	INTERVAL VELOCITY M/S	INTERVAL DENSITY G/C3	REFLECT. COEFF.	TWO WAY ATTEN. COEFF.	SYNTHETIC SEISMO. PRIMARY	PRIMARY + MULTIPLES	MULTIPLES ONLY
2791.8	4113.32			-.013	.03043	-.00038	.03442	.03480
		4090	2.645					
2793.8	4117.41			-.004	.03043	-.00011	-.00743	-.00732
		4099	2.620					
2795.8	4121.51			.024	.03041	.00072	-.01103	-.01175
		4194	2.685					
2797.8	4125.70			-.002	.03041	-.00007	.00181	.00189
		4227	2.651					
2799.8	4129.93			-.044	.03035	-.00135	.00094	.00229
		4092	2.506					
2801.8	4134.02			.021	.03034	.00063	-.02630	-.02693
		4059	2.633					
2803.8	4138.08			.022	.03032	.00067	-.02918	-.02986
		4243	2.633					
2805.8	4142.32			.006	.03032	.00017	.04251	.04234
		4269	2.648					
2807.8	4146.59			-.020	.03031	-.00062	.02717	.02779
		4321	2.512					
2809.8	4150.91			.013	.03030	.00039	-.02841	-.02880
		4231	2.632					
2811.8	4155.14			0	.03030	0	.04506	.04506
		4213	2.643					
2813.8	4159.36			-.008	.03030	-.00024	-.04938	-.04915
		4133	2.653					
2815.8	4163.49			.019	.03029	.00057	-.04373	-.04430
		4252	2.677					
2817.8	4167.74			-.023	.03027	-.00070	.00036	.00106
		4055	2.682					
2819.8	4171.80			.002	.03027	.00005	.03653	.03648
		4160	2.623					
2821.8	4175.96			-.028	.03025	-.00084	.05923	.06007
		4074	2.533					
2823.8	4180.03			.054	.03016	.00164	.00673	.00509
		4346	2.647					
2825.8	4184.38			-.031	.03013	-.00094	-.01811	-.01717
		4089	2.645					
2827.8	4188.47			.020	.03012	.00060	-.03245	-.03305
		4254	2.645					
2829.8	4192.72			-.002	.03012	-.00005	-.01724	-.01719
		4180	2.684					
2831.8	4196.90			-.012	.03012	-.00037	.05215	.05253
		4097	2.671					
2833.8	4201.00			.010	.03011	.00030	-.01548	-.01578
		4233	2.637					
2835.8	4205.23			-.017	.03010	-.00053	-.00340	-.00288
		4112	2.622					
2837.8	4209.34			-.001	.03010	-.00003	.03774	.03777
		4100	2.625					
2839.8	4213.44			.012	.03010	.00035	-.05414	-.05449

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TWO WAY TRAVEL TIME MS	DEPTH FROM SRD (OR TOP) M	INTERVAL VELOCITY M/S	INTERVAL DENSITY G/C3	REFLECT. COEFF.	TWO WAY ATTEN. COEFF.	SYNTHETIC SEISMO. PRIMARY	PRIMARY + MULTIPLES	MULTIPLES ONLY
		4212	2.615					
2841.8	4217.65			-.062	.02998	-.00188	-.03531	-.03343
		3818	2.546					
2843.8	4221.47			.050	.02991	.00150	.02599	.02450
		4051	2.652					
2845.8	4225.52			.032	.02988	.00096	.01782	.01686
		4327	2.647					
2847.8	4229.85			0	0	0	-.00864	-.00864
2849.8							.01004	.01004
2851.8							-.06240	-.06240
2853.8							.00348	.00348
2855.8							.02590	.02590
2857.8							.05556	.05556
2859.8							.01891	.01891
2861.8							-.10182	-.10182
2863.8							.10317	.10317
2865.8							-.02480	-.02480
2867.8							.00867	.00867
2869.8							-.01166	-.01166
2871.8							.04112	.04112
2873.8							-.02980	-.02980
2875.8							-.04105	-.04105
2877.8							-.00527	-.00527
2879.8							.00866	.00866
2881.8							.01387	.01387
2883.8							.00541	.00541
2885.8							-.03373	-.03373
2887.8							.02151	.02151

TWO WAY TRAVEL TIME MS	DEPTH FROM SRD (OR TOP) M	INTERVAL VELOCITY M/S	INTERVAL DENSITY G/C3	REFLECT. COEFF.	TWO WAY ATTEN. COEFF.	SYNTHETIC SEISMO. PRIMARY	PRIMARY + MULTIPLES	MULTIPLES ONLY
2889.8							.00845	.00845
2891.8							-.03409	-.03409
2893.8							.04413	.04413
2895.8							.06230	.06230
2897.8							-.09545	-.09545
2899.8							.02911	.02911
2901.8							.03739	.03739
2903.8							-.03144	-.03144
2905.8							-.05481	-.05481
2907.8							-.02246	-.02246
2909.8							-.02246	-.02246
2911.8							.00864	.00864
2913.8							.03746	.03746
2915.8							.00697	.00697
2917.8							.08841	.08841
2919.8							-.02414	-.02414
2921.8							.04308	.04308
2923.8							-.01119	-.01119
2925.8							-.02801	-.02801
2927.8							.03070	.03070
2929.8							-.04757	-.04757
2931.8							.01932	.01932
2933.8							.01346	.01346
2935.8							-.02123	-.02123
2937.8							-.04354	-.04354

TWO WAY TRAVEL TIME MS	DEPTH FROM SRD (OR TOP) M	INTERVAL VELOCITY M/S	INTERVAL DENSITY G/C3	REFLECT. COEFF.	TWO WAY ATTEN. COEFF.	SYNTHETIC SEISMO. PRIMARY	PRIMARY + MULTIPLES	MULTIPLES ONLY
2939.8							-.01619	-.01619
2941.8							.03547	.03547
2943.8							.00688	.00688
2945.8							-.00910	-.00910
2947.8							.05389	.05389
2949.8							-.00093	-.00093
2951.8							-.09445	-.09445
2953.8							-.02250	-.02250
2955.8							.03152	.03152
2957.8							.06944	.06944
2959.8							.00724	.00724
2961.8							.00632	.00632
2963.8							-.06949	-.06949
2965.8							-.01360	-.01360
2967.8							.05487	.05487
2969.8							.04021	.04021
2971.8							-.00480	-.00480
2973.8							-.01903	-.01903
2975.8							.03065	.03065
2977.8							-.05469	-.05469
2979.8							-.08132	-.08132
2981.8							.00243	.00243
2983.8							.07604	.07604
2985.8							-.04132	-.04132

TWO WAY TRAVEL TIME MS	DEPTH FROM SRD (OR TOP) M	INTERVAL VELOCITY M/S	INTERVAL DENSITY G/C3	REFLECT. COEFF.	TWO WAY ATTEN. COEFF.	SYNTHETIC SEISMO. PRIMARY	PRIMARY + MULTIPLES	MULTIPLES ONLY
2987.8							.02778	.02778
2989.8							-.00050	-.00050
2991.8							.02654	.02654
2993.8							.00853	.00853
2995.8							-.05114	-.05114
2997.8							-.05235	-.05235
2999.8							.03558	.03558
3001.8							.02045	.02045
3003.8							-.01455	-.01455
3005.8							-.05587	-.05587
3007.8							.05340	.05340
3009.8							-.03680	-.03680
3011.8							-.00117	-.00117
3013.8							.08199	.08199
3015.8							.03130	.03130
3017.8							-.02457	-.02457
3019.8							.05995	.05995
3021.8							-.01600	-.01600
3023.8							-.05544	-.05544
3025.8							-.00154	-.00154
3027.8							-.03984	-.03984
3029.8							-.04307	-.04307
3031.8							.10794	.10794
3033.8							-.03868	-.03868
3035.8							.01788	.01788

TWO WAY TRAVEL TIME MS	DEPTH FROM SRD (OR TOP) M	INTERVAL VELOCITY M/S	INTERVAL DENSITY G/C3	REFLECT. COEFF.	TWO WAY ATTEN. COEFF.	SYNTHETIC SEISMO. PRIMARY	PRIMARY + MULTIPLES	MULTIPLES ONLY
3037.8							-.03648	-.03648
3039.8							.05120	.05120
3041.8							.03924	.03924
3043.8							-.05537	-.05537
3045.8							-.01980	-.01980
3047.8							-.03119	-.03119
3049.8							.04427	.04427
3051.8							-.00791	-.00791
3053.8							-.04722	-.04722
3055.8							.01125	.01125
3057.8							.02648	.02648
3059.8							.08294	.08294
3061.8							-.04710	-.04710
3063.8							-.00228	-.00228
3065.8							-.03321	-.03321
3067.8							-.04705	-.04705
3069.8							-.01681	-.01681
3071.8							-.01604	-.01604
3073.8							.08477	.08477
3075.8							.02526	.02526
3077.8							-.06119	-.06119
3079.8							.02481	.02481
3081.8							.05351	.05351
3083.8							-.01904	-.01904

TWO WAY TRAVEL TIME MS	DEPTH FROM SRD (OR TOP) M	INTERVAL VELOCITY M/S	INTERVAL DENSITY G/C3	REFLECT. COEFF.	TWO WAY ATTEN. COEFF.	SYNTHETIC SEISMO. PRIMARY	PRIMARY + MULTIPLES	MULTIPLES ONLY
3085.8							-.00850	-.00850
3087.8							.02441	.02441
3089.8							-.02151	-.02151
3091.8							-.02090	-.02090
3093.8							.04247	.04247
3095.8							-.04885	-.04885
3097.8							.04394	.04394
3099.8							-.04195	-.04195
3101.8							-.00436	-.00436
3103.8							-.04730	-.04730
3105.8							.03362	.03362
3107.8							.02061	.02061
3109.8							-.01139	-.01139
3111.8							-.01125	-.01125
3113.8							-.01393	-.01393
3115.8							-.03652	-.03652
3117.8							.02167	.02167
3119.8							.07579	.07579
3121.8							-.00931	-.00931
3123.8							-.01813	-.01813
3125.8							.01380	.01380
3127.8							.01283	.01283
3129.8							-.00295	-.00295
3131.8							-.06559	-.06559
3133.8							.04499	.04499

TWO WAY TRAVEL TIME MS	DEPTH FROM SRD (OR TOP) M	INTERVAL VELOCITY M/S	INTERVAL DENSITY G/C3	REFLECT. COEFF.	TWO WAY ATTEN. COEFF.	SYNTHETIC SEISMO. PRIMARY	PRIMARY + MULTIPLES	MULTIPLES ONLY
3135.8							.03866	.03866
3137.8							-.05131	-.05131
3139.8							-.00822	-.00822
3141.8							-.00256	-.00256
3143.8							.02677	.02677
3145.8							.04721	.04721
3147.8							-.02758	-.02758
3149.8							-.01599	-.01599
3151.8							-.02297	-.02297
3153.8							.03739	.03739
3155.8							.01524	.01524
3157.8							.01709	.01709
3159.8							-.05828	-.05828
3161.8							-.00323	-.00323
3163.8							-.03094	-.03094
3165.8							.05625	.05625
3167.8							.03686	.03686
3169.8							-.01441	-.01441
3171.8							-.02056	-.02056
3173.8							-.01492	-.01492
3175.8							-.01587	-.01587
3177.8							.01791	.01791
3179.8							.04159	.04159
3181.8							-.01293	-.01293

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TWO WAY TRAVEL TIME MS	DEPTH FROM SRD (OR TOP) M	INTERVAL VELOCITY M/S	INTERVAL DENSITY G/C3	REFLECT. COEFF.	TWO WAY ATTEN. COEFF.	SYNTHETIC SEISMO. PRIMARY	PRIMARY + MULTIPLES	MULTIPLES ONLY
3183.8							.03185	.03185
3185.8							-.04704	-.04704
3187.8							-.03898	-.03898
3189.8							-.02217	-.02217
3191.8							.06134	.06134
3193.8							-.02591	-.02591
3195.8							-.00174	-.00174
3197.8							.01798	.01798
3199.8							-.03472	-.03472
3201.8							.02061	.02061
3203.8							.04555	.04555
3205.8							-.05098	-.05098
3207.8							-.05833	-.05833
3209.8							.02932	.02932
3211.8							.03490	.03490
3213.8							.03189	.03189
3215.8							-.04733	-.04733
3217.8							.05947	.05947
3219.8							.00529	.00529
3221.8							-.02704	-.02704
3223.8							-.01599	-.01599
3225.8							-.05564	-.05564
3227.8							.01952	.01952
3229.8							.01459	.01459
3231.8							-.02615	-.02615

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TWO WAY TRAVEL TIME MS	DEPTH FROM SRD (OR TOP) M	INTERVAL VELOCITY M/S	INTERVAL DENSITY G/C3	REFLECT. COEFF.	TWO WAY ATTEN. COEFF.	SYNTHETIC SEISMO. PRIMARY	PRIMARY + MULTIPLES	MULTIPLES ONLY
3233.8							.00153	.00153
3235.8							.05689	.05689
3237.8							.00527	.00527
3239.8							.01668	.01668
3241.8							.03638	.03638
3243.8							-.07004	-.07004
3245.8							-.03464	-.03464
3247.8							.05074	.05074
3249.8							-.01320	-.01320
3251.8							-.03667	-.03667
3253.8							.00224	.00224
3255.8							.00003	.00003
3257.8							.00622	.00622
3259.8							.04995	.04995
3261.8							-.00330	-.00330
3263.8							-.00329	-.00329
3265.8							-.01531	-.01531
3267.8							-.03329	-.03329
3269.8							.03510	.03510
3271.8							.01615	.01615
3273.8							-.01482	-.01482
3275.8							.02772	.02772
3277.8							-.01136	-.01136
3279.8							-.05035	-.05035

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TWO WAY TRAVEL TIME MS	DEPTH FROM SRD (OR TOP) M	INTERVAL VELOCITY M/S	INTERVAL DENSITY G/C3	REFLECT. COEFF.	TWO WAY ATTEN. COEFF.	SYNTHETIC SEISMO. PRIMARY	PRIMARY + MULTIPLES	MULTIPLES ONLY
3281.8							.02331	.02331
3283.8							-.04760	-.04760
3285.8							.04279	.04279
3287.8							.00231	.00231
3289.8							.05257	.05257
3291.8							-.08840	-.08840
3293.8							.08909	.08909
3295.8							-.06779	-.06779
3297.8							.05189	.05189
3299.8							.00372	.00372
3301.8							-.05493	-.05493
3303.8							.02517	.02517
3305.8							-.01084	-.01084
3307.8							-.03611	-.03611
3309.8							-.02430	-.02430
3311.8							.01876	.01876
3313.8							.01452	.01452
3315.8							.02658	.02658
3317.8							.00530	.00530
3319.8							-.02653	-.02653
3321.8							.01258	.01258
3323.8							.05347	.05347
3325.8							-.06252	-.06252
3327.8							.01810	.01810
3329.8							.04044	.04044

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TWO WAY TRAVEL TIME MS	DEPTH FROM SRD (OR TOP) M	INTERVAL VELOCITY M/S	INTERVAL DENSITY G/C3	REFLECT. COEFF.	TWO WAY ATTEN. COEFF.	SYNTHETIC SEISMO. PRIMARY	PRIMARY + MULTIPLES	MULTIPLES ONLY
3331.8							-.02445	-.02445
3333.8							-.02454	-.02454
3335.8							.00800	.00800
3337.8							-.00003	-.00003
3339.8							.00926	.00926
3341.8							.02320	.02320
3343.8							-.00459	-.00459
3345.8							-.01566	-.01566
3347.8							-.00062	-.00062
3349.8							.01470	.01470
3351.8							-.03375	-.03375
3353.8							-.01139	-.01139
3355.8							-.01240	-.01240
3357.8							.03693	.03693
3359.8							.06575	.06575
3361.8							-.03242	-.03242
3363.8							-.04229	-.04229
3365.8							.05011	.05011
3367.8							-.02848	-.02848
3369.8							-.03878	-.03878
3371.8							.00216	.00216
3373.8							.01356	.01356
3375.8							.00435	.00435
3377.8							.00540	.00540

TWO WAY TRAVEL TIME MS	DEPTH FROM SRD (OR TOP) M	INTERVAL VELOCITY M/S	INTERVAL DENSITY G/C3	REFLECT. COEFF.	TWO WAY ATTEN. COEFF.	SYNTHETIC SEISMO. PRIMARY	PRIMARY + MULTIPLES	MULTIPLES ONLY
3379.8							.00888	.00888
3381.8							-.01357	-.01357
3383.8							.01087	.01087
3385.8							.02467	.02467
3387.8							-.03303	-.03303
3389.8							-.02214	-.02214
3391.8							.00883	.00883
3393.8							.00539	.00539
3395.8							.02030	.02030
3397.8							-.06007	-.06007
3399.8							.03559	.03559
3401.8							-.00861	-.00861
3403.8							.01770	.01770
3405.8							.00555	.00555
3407.8							.01815	.01815
3409.8							-.00159	-.00159
3411.8							-.02350	-.02350
3413.8							-.01378	-.01378
3415.8							-.01485	-.01485
3417.8							.03845	.03845
3419.8							-.03528	-.03528
3421.8							.03913	.03913
3423.8							-.03079	-.03079
3425.8							-.00246	-.00246
3427.8							.04403	.04403

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TWO WAY TRAVEL TIME MS	DEPTH FROM SRD (OR TOP) M	INTERVAL VELOCITY M/S	INTERVAL DENSITY G/C3	REFLECT. COEFF.	TWO WAY ATTEN. COEFF.	SYNTHETIC SEISMO. PRIMARY	PRIMARY + MULTIPLES	MULTIPLES ONLY
3429.8							-.04788	-.04788
3431.8							-.01347	-.01347
3433.8							.04924	.04924
3435.8							-.00179	-.00179
3437.8							-.03466	-.03466
3439.8							-.02798	-.02798
3441.8							.02920	.02920
3443.8							-.01388	-.01388
3445.8							-.00393	-.00393
3447.8							.07065	.07065
3449.8							.00050	.00050
3451.8							-.05219	-.05219
3453.8							.01868	.01868
3455.8							-.02793	-.02793
3457.8							.00730	.00730
3459.8							-.01280	-.01280
3461.8							.01624	.01624
3463.8							.04413	.04413
3465.8							-.03112	-.03112
3467.8							.01287	.01287
3469.8							.06921	.06921
3471.8							-.03332	-.03332
3473.8							.02070	.02070
3475.8							-.05528	-.05528

457191

TWO WAY TRAVEL TIME MS	DEPTH FROM SRD (OR TOP) M	INTERVAL VELOCITY M/S	INTERVAL DENSITY G/C3	REFLECT. COEFF.	TWO WAY ATTEN. COEFF.	SYNTHETIC SEISMO. PRIMARY	PRIMARY + MULTIPLES	MULTIPLES ONLY
3477.8							-.03930	-.03930
3479.8							.02848	.02848
3481.8							.01495	.01495
3483.8							.00667	.00667
3485.8							.01981	.01981
3487.8							-.02127	-.02127
3489.8							-.01645	-.01645
3491.8							-.02747	-.02747
3493.8							.04114	.04114
3495.8							-.04526	-.04526
3497.8							.02183	.02183
3499.8							.02583	.02583
3501.8							-.03548	-.03548
3503.8							-.00972	-.00972
3505.8							-.04857	-.04857
3507.8							.03954	.03954
3509.8							.06138	.06138
3511.8							-.04393	-.04393
3513.8							.02782	.02782
3515.8							-.00875	-.00875
3517.8							-.03043	-.03043
3519.8							.00800	.00800
3521.8							.01986	.01986
3523.8							.00240	.00240
3525.8							.02584	.02584

TWO WAY TRAVEL TIME MS	DEPTH FROM SRD (OR TOP) M	INTERVAL VELOCITY M/S	INTERVAL DENSITY G/C3	REFLECT. COEFF.	TWO WAY ATTEN. COEFF.	SYNTHETIC SEISMO. PRIMARY	PRIMARY + MULTIPLES	MULTIPLES ONLY
3527.8							-.00521	-.00521
3529.8							-.03779	-.03779
3531.8							.01791	.01791
3533.8							-.04929	-.04929
3535.8							.02439	.02439
3537.8							-.01409	-.01409
3539.8							-.00925	-.00925
3541.8							.05475	.05475
3543.8							-.02034	-.02034
3545.8							.01744	.01744
3547.8							.03198	.03198
3549.8							.01062	.01062
3551.8							-.04738	-.04738
3553.8							-.04617	-.04617
3555.8							-.02400	-.02400
3557.8							-.00295	-.00295
3559.8							.04536	.04536
3561.8							.03891	.03891
3563.8							.03546	.03546
3565.8							-.01867	-.01867
3567.8							-.06612	-.06612
3569.8							-.01567	-.01567
3571.8							.05866	.05866
3573.8							-.02146	-.02146

457193

TWO WAY TRAVEL TIME MS	DEPTH FROM SRD (OR TOP) M	INTERVAL VELOCITY M/S	INTERVAL DENSITY G/C3	REFLECT. COEFF.	TWO WAY ATTEN. COEFF.	SYNTHETIC SEISMO. PRIMARY	PRIMARY + MULTIPLES	MULTIPLES ONLY
3575.8							.00836	.00836
3577.8							.01783	.01783
3579.8							.00769	.00769
3581.8							-.00147	-.00147
3583.8							.03053	.03053
3585.8							-.05157	-.05157
3587.8							.04454	.04454
3589.8							-.09226	-.09226
3591.8							-.00778	-.00778
3593.8							.01683	.01683
3595.8							.04398	.04398
3597.8							-.04660	-.04660
3599.8							.05184	.05184
3601.8							-.02022	-.02022
3603.8							.02399	.02399
3605.8							.01825	.01825
3607.8							-.04637	-.04637
3609.8							-.00523	-.00523
3611.8							-.00024	-.00024
3613.8							.03948	.03948
3615.8							-.06198	-.06198
3617.8							.01929	.01929
3619.8							.02107	.02107
3621.8							-.03156	-.03156
3623.8							.05824	.05824

TWO WAY TRAVEL TIME MS	DEPTH FROM SRD (OR TOP) M	INTERVAL VELOCITY M/S	INTERVAL DENSITY G/C3	REFLECT. COEFF.	TWO WAY ATTEN. COEFF.	SYNTHETIC SEISMO. PRIMARY	PRIMARY + MULTIPLES	MULTIPLES ONLY
3625.8							-.03102	-.03102
3627.8							.01911	.01911
3629.8							-.01870	-.01870
3631.8							-.03336	-.03336
3633.8							.01756	.01756
3635.8							-.03216	-.03216
3637.8							.00174	.00174
3639.8							-.00320	-.00320
3641.8							.04578	.04578
3643.8							.00010	.00010
3645.8							.00057	.00057
3647.8							.00749	.00749
3649.8							-.03047	-.03047
3651.8							-.01127	-.01127
3653.8							.02354	.02354
3655.8							-.02859	-.02859
3657.8							-.00400	-.00400
3659.8							.01901	.01901
3661.8							.02349	.02349
3663.8							.01266	.01266
3665.8							-.01095	-.01095
3667.8							-.04935	-.04935
3669.8							.04268	.04268
3671.8							.02912	.02912

457195

TWO WAY TRAVEL TIME MS	DEPTH FROM SRD (OR TOP) M	INTERVAL VELOCITY M/S	INTERVAL DENSITY G/C3	REFLECT. COEFF.	TWO WAY ATTEN. COEFF.	SYNTHETIC SEISMO. PRIMARY	PRIMARY + MULTIPLES	MULTIPLES ONLY
3673.8							-.00768	-.00768
3675.8							.03447	.03447
3677.8							-.06213	-.06213
3679.8							-.00558	-.00558
3681.8							.00877	.00877
3683.8							-.00746	-.00746
3685.8							.01492	.01492
3687.8							.04458	.04458
3689.8							-.00018	-.00018
3691.8							-.03294	-.03294
3693.8							-.00250	-.00250
3695.8							-.02906	-.02906
3697.8							.01979	.01979
3699.8							.00233	.00233
3701.8							-.01828	-.01828
3703.8							-.01937	-.01937
3705.8							.02449	.02449
3707.8							.05869	.05869
3709.8							-.05032	-.05032
3711.8							.02377	.02377
3713.8							.02054	.02054
3715.8							-.00489	-.00489
3717.8							-.00450	-.00450
3719.8							-.01774	-.01774
3721.8							.03037	.03037

457196

TWO WAY TRAVEL TIME MS	DEPTH FROM SRD (OR TOP) M	INTERVAL VELOCITY M/S	INTERVAL DENSITY G/C3	REFLECT. COEFF.	TWO WAY ATTEN. COEFF.	SYNTHETIC SEISMO. PRIMARY	PRIMARY + MULTIPLES	MULTIPLES ONLY
3723.8							-.05131	-.05131
3725.8							.04581	.04581
3727.8							-.07574	-.07574
3729.8							.02482	.02482
3731.8							-.01025	-.01025
3733.8							.01352	.01352
3735.8							-.03798	-.03798
3737.8							.02345	.02345
3739.8							.07062	.07062
3741.8							-.04504	-.04504
3743.8							-.06522	-.06522
3745.8							.03628	.03628
3747.8							.01860	.01860
3749.8							-.00959	-.00959
3751.8							-.01938	-.01938
3753.8							.05531	.05531
3755.8							-.04293	-.04293
3757.8							-.00462	-.00462
3759.8							.01727	.01727
3761.8							-.00829	-.00829
3763.8							-.00370	-.00370
3765.8							.00631	.00631
3767.8							.01359	.01359
3769.8							-.01484	-.01484

457197

TWO WAY TRAVEL TIME MS	DEPTH FROM SRD (OR TOP) M	INTERVAL VELOCITY M/S	INTERVAL DENSITY G/C3	REFLECT. COEFF.	TWO WAY ATTEN. COEFF.	SYNTHETIC SEISMO. PRIMARY	PRIMARY + MULTIPLES	MULTIPLES ONLY
3771.8							.00292	.00292
3773.8							.01137	.01137
3775.8							.02046	.02046
3777.8							.01705	.01705
3779.8							-.06853	-.06853
3781.8							-.04062	-.04062
3783.8							.08611	.08611
3785.8							-.03371	-.03371
3787.8							.04957	.04957
3789.8							-.03220	-.03220
3791.8							-.00405	-.00405
3793.8							.03541	.03541
3795.8							-.00111	-.00111
3797.8							-.08261	-.08261
3799.8							.06901	.06901
3801.8							-.01104	-.01104
3803.8							-.02078	-.02078
3805.8							-.02160	-.02160
3807.8							.03097	.03097
3809.8							.02585	.02585
3811.8							-.03185	-.03185
3813.8							.00216	.00216
3815.8							-.00050	-.00050
3817.8							-.00396	-.00396
3819.8							.00693	.00693

TWO WAY TRAVEL TIME MS	DEPTH FROM SRD (OR TOP) M	INTERVAL VELOCITY M/S	INTERVAL DENSITY G/C3	REFLECT. COEFF.	TWO WAY ATTEN. COEFF.	SYNTHETIC SEISMO. PRIMARY	PRIMARY + MULTIPLES	MULTIPLES ONLY
3821.8							.01366	.01366
3823.8							.00422	.00422
3825.8							.00340	.00340
3827.8							.01579	.01579
3829.8							-.01500	-.01500
3831.8							-.01631	-.01631
3833.8							-.03067	-.03067
3835.8							-.01668	-.01668
3837.8							.01595	.01595
3839.8							-.00714	-.00714
3841.8							.01424	.01424
3843.8							.05867	.05867
3845.8							-.03020	-.03020
3847.8							-.05858	-.05858
3849.8							.06057	.06057
3851.8							-.04588	-.04588
3853.8							.02982	.02982
3855.8							-.01909	-.01909
3857.8							.03230	.03230
3859.8							.00549	.00549
3861.8							-.03600	-.03600
3863.8							-.00032	-.00032
3865.8							.04349	.04349
3867.8							-.05534	-.05534

457199

TWO WAY TRAVEL TIME MS	DEPTH FROM SRD (OR TOP) M	INTERVAL VELOCITY M/S	INTERVAL DENSITY G/C3	REFLECT. COEFF.	TWO WAY ATTEN. COEFF.	SYNTHETIC SEISMO. PRIMARY	PRIMARY + MULTIPLES	MULTIPLES ONLY
3869.8							-.00122	-.00122
3871.8							.06094	.06094
3873.8							.00078	.00078
3875.8							-.02473	-.02473
3877.8							-.00363	-.00363
3879.8							.03867	.03867
3881.8							-.03523	-.03523
3883.8							-.05774	-.05774
3885.8							.00878	.00878
3887.8							.06254	.06254
3889.8							.00982	.00982
3891.8							-.07027	-.07027
3893.8							.02824	.02824
3895.8							.00422	.00422
3897.8							-.00004	-.00004
3899.8							.01206	.01206
3901.8							-.03749	-.03749
3903.8							.02306	.02306
3905.8							.06742	.06742
3907.8							.00550	.00550
3909.8							-.05651	-.05651
3911.8							-.00861	-.00861
3913.8							.00483	.00483
3915.8							-.02723	-.02723
3917.8							.03495	.03495

TWO WAY TRAVEL TIME MS	DEPTH FROM SRD (OR TOP) M	INTERVAL VELOCITY M/S	INTERVAL DENSITY G/C3	REFLECT. COEFF.	TWO WAY ATTEN. COEFF.	SYNTHETIC SEISMO. PRIMARY	PRIMARY + MULTIPLES	MULTIPLES ONLY
3919.8							-.00687	-.00687
3921.8							.02218	.02218
3923.8							.04441	.04441
3925.8							-.02099	-.02099
3927.8							-.06017	-.06017
3929.8							-.01977	-.01977
3931.8							.01354	.01354
3933.8							.02507	.02507
3935.8							.04318	.04318
3937.8							-.06256	-.06256
3939.8							-.02244	-.02244
3941.8							.03054	.03054
3943.8							.00725	.00725
3945.8							-.01439	-.01439
3947.8							.04053	.04053
3949.8							-.06563	-.06563
3951.8							.04183	.04183
3953.8							-.02633	-.02633
3955.8							.03320	.03320
3957.8							-.00379	-.00379
3959.8							.02146	.02146
3961.8							-.04219	-.04219
3963.8							.04982	.04982
3965.8							-.03556	-.03556

TWO WAY TRAVEL TIME MS	DEPTH FROM SRD (OR TOP) M	INTERVAL VELOCITY M/S	INTERVAL DENSITY G/C3	REFLECT. COEFF.	TWO WAY ATTEN. COEFF.	SYNTHETIC SEISMO. PRIMARY	PRIMARY + MULTIPLES	MULTIPLES ONLY
3967.8							-.03778	-.03778
3969.8							.03773	.03773
3971.8							.02491	.02491
3973.8							-.01087	-.01087
3975.8							-.01772	-.01772
3977.8							.01075	.01075
3979.8							-.04364	-.04364
3981.8							.01547	.01547
3983.8							-.00161	-.00161
3985.8							-.00150	-.00150
3987.8							.06340	.06340
3989.8							-.00611	-.00611
3991.8							-.01083	-.01083
3993.8							.02303	.02303
3995.8							-.06049	-.06049
3997.8							-.00888	-.00888
3999.8							.00748	.00748
4001.8							-.04504	-.04504
4003.8							.02014	.02014
4005.8							.02764	.02764
4007.8							.02520	.02520
4009.8							-.01089	-.01089
4011.8							-.02189	-.02189
4013.8							.01926	.01926
4015.8							-.02267	-.02267

457202

TWO WAY TRAVEL TIME MS	DEPTH FROM SRD (OR TOP) M	INTERVAL VELOCITY M/S	INTERVAL DENSITY G/C3	REFLECT. COEFF.	TWO WAY ATTEN. COEFF.	SYNTHETIC SEISMO. PRIMARY	PRIMARY + MULTIPLES	MULTIPLES ONLY
4017.8							-.01701	-.01701
4019.8							.00222	.00222
4021.8							.06305	.06305
4023.8							.00996	.00996
4025.8							-.03340	-.03340
4027.8							.03284	.03284
4029.8							-.00639	-.00639
4031.8							-.03828	-.03828
4033.8							-.00127	-.00127
4035.8							.04351	.04351
4037.8							-.01385	-.01385
4039.8							-.03942	-.03942
4041.8							.03023	.03023
4043.8							.01957	.01957
4045.8							-.01847	-.01847
4047.8							-.00849	-.00849
4049.8							-.03832	-.03832
4051.8							-.03364	-.03364
4053.8							.04341	.04341
4055.8							.04454	.04454
4057.8							-.00511	-.00511
4059.8							.01300	.01300
4061.8							-.03667	-.03667
4063.8							.01661	.01661

TWO WAY TRAVEL TIME MS	DEPTH FROM SRD (OR TOP) M	INTERVAL VELOCITY M/S	INTERVAL DENSITY G/C3	REFLECT. COEFF.	TWO WAY ATTEN. COEFF.	SYNTHETIC SEISMO. PRIMARY	PRIMARY + MULTIPLES	MULTIPLES ONLY
4065.8							-.04064	-.04064
4067.8							.01722	.01722
4069.8							.02866	.02866
4071.8							.00187	.00187
4073.8							.00586	.00586
4075.8							-.01928	-.01928

AUSTRALIAN LOG INTERPRETATION CENTRE

VERTICAL SEISMIC PROFILE

RECORDED WITH AIRGUN AND WATER GUN SOURCES

COMPANY AMOCO AUSTRALIA PETROLEUM CO

WELL PELICAN #5

FIELD

COUNTRY AUSTRALIA

LOCATION COORDINATES

ELEVATIONS

COMPUTER CENTER

ANALYST

JOB REFERENCE

DATE PROCESSED

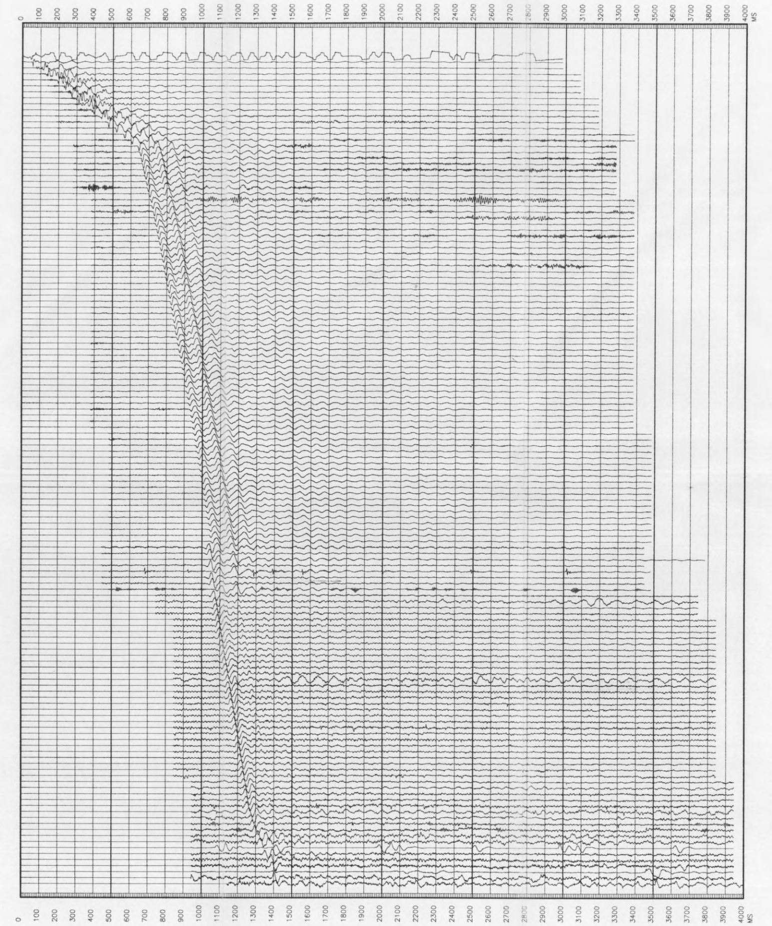
SEISMIC REFERENCE DATUM MEAN SEA LEVEL

COMMENTS

PLOT 1.0
STACKED DATA.

CLIENT : AMOCO AUSTRALIA PETROLEUM CO.
FIELD :
WELL : PELICAN 5

STACKED AT COMPUTING CENTRE.
DEPTH REFERENCED TO KELLY BUSHING.
SHOTS WITH LOW SIGNAL/NOISE WERE
ELIMINATED PRIOR TO STACKING.
TRACES DISPLAYED IN NORMAL POLARITY.
X-AXIS SCALE = 3.75IN/SEC.
Y-AXIS SCALE = LEVEL NUMBER.



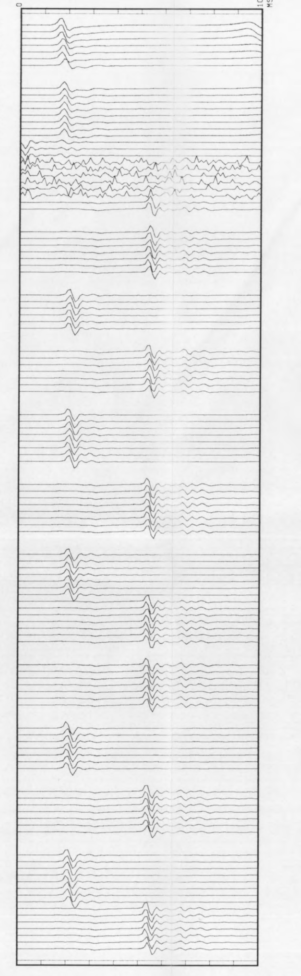
PLOT 1.1
RAW SURFACE SENSOR DATA.
AIRGUN/WATER GUN OVERLAP

CLIENT : AMOCO AUSTRALIA PETROLEUM CO.
FIELD :
WELL : PELICAN #5

WATER GUN AND AIRGUN VSP

DEPTH REFERENCED TO KELLY BUSHING.
X-AXIS SCALE = 50IN/SEC.
Y-AXIS SCALE = LEVEL NUMBER.

W = WATER GUN , A = AIRGUN



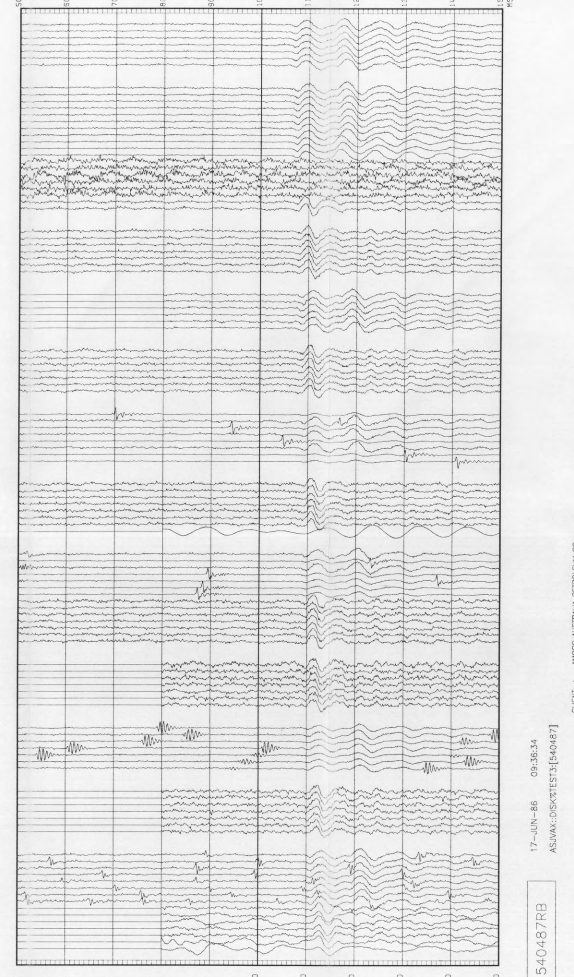
PLOT 1.2
RAW DOWNHOLE GEOPHONE DATA.
AIRGUN/WATER GUN OVERLAP

CLIENT : AMOCO AUSTRALIA PETROLEUM CO.
FIELD :
WELL : PELICAN #5

WATER GUN AND AIRGUN VSP

DEPTH REFERENCED TO KELLY BUSHING.
X-AXIS SCALE = 10IN/SEC.
Y-AXIS SCALE = LEVEL NUMBER.

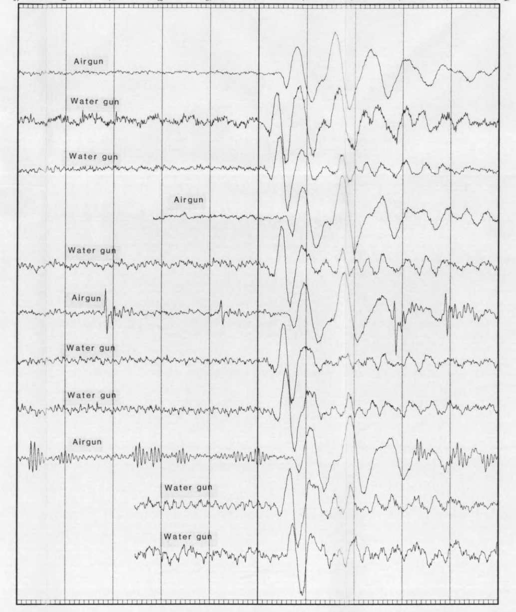
W = WATER GUN , A = AIRGUN



PLOT 1.3
AIRGUN / WATER GUN OVERLAP.

CLIENT : AMOCO AUSTRALIA PETROLEUM CO.
FIELD :
WELL : PELICAN 5

STACKED AT COMPUTING CENTRE.
DEPTH REFERENCED TO KELLY BUSHING.
SHOTS WITH LOW SIGNAL/NOISE WERE
ELIMINATED PRIOR TO STACKING.
X-AXIS SCALE = 10IN/SEC.
Y-AXIS SCALE = LEVEL NUMBER.



WATER GUN AND AIRGUN VSP
2.1 TRUE AMPLITUDE RECOVERY

COMPANY : AMOCO AUSTRALIA PETRLEUM CO
FIELD :
WELL : PELICAN 5

WATER GUN LEVELS: 1 - 67
AIRGUN LEVELS : 68 - 134

TRUE AMPLITUDE RECOVERY FACTOR IS 1.2
DATA CORRECTED IN TIME TO SRD.
DEPTH REFERENCED TO KB.
SHOTS WITH LOW SIGNAL/NOISE WERE
ELIMINATED PRIOR TO STACKING.
TRACES DISPLAYED IN NORMAL POLARITY.
X-AXIS SCALE = 3.75IN/SEC.
Y-AXIS SCALE = LEVEL NUMBER.

SEISMIC REFERENCE DATUM = MEAN SEA LEVEL

L1.TAR.SPM*

WATER GUN AND AIRGUN VSP
2.0 BANDPASS FILTERED

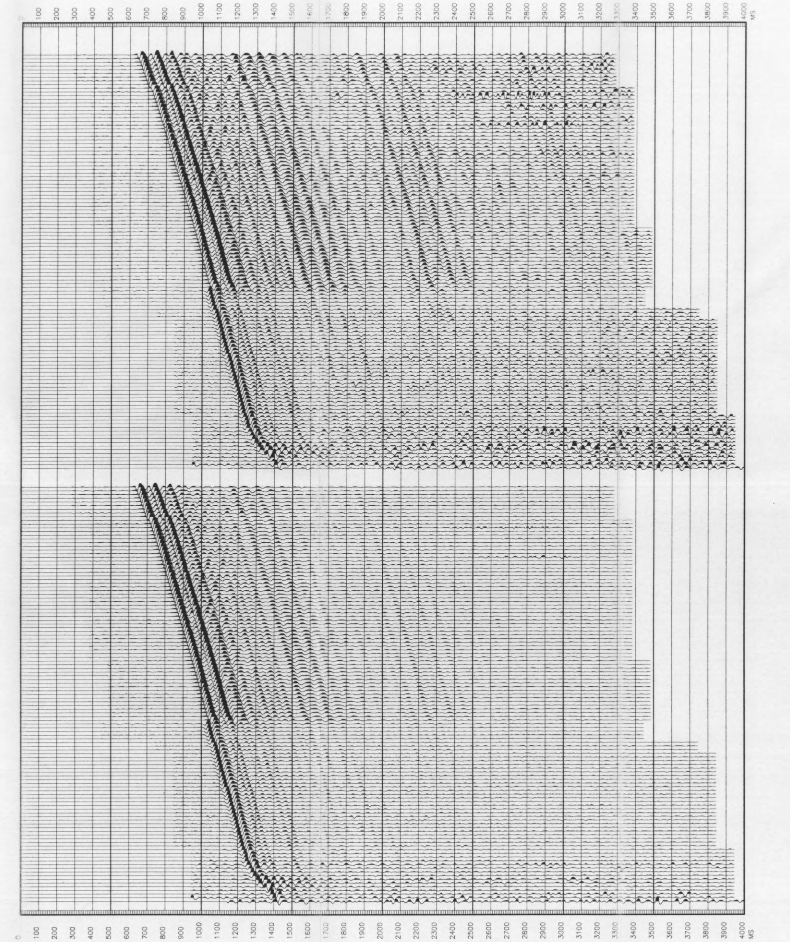
COMPANY : AMOCO AUSTRALIA PETROLEUM CO
FIELD :
WELL : PELICAN 5

WATER GUN LEVELS: 1 - 67
AIRGUN LEVELS : 68 - 134

FILTER BANDWIDTH IS 14-48HZ.
DEPTH REFERENCED TO KB.
SHOTS WITH LOW SIGNAL/NOISE WERE
ELIMINATED PRIOR TO STACKING.
TRACES DISPLAYED IN NORMAL POLARITY.
X-AXIS SCALE = 3.75IN/SEC.
Y-AXIS SCALE = LEVEL NUMBER.

CLIENT : AMOCO AUSTRALIA
FIELD :
WELL : PELICAN 5

11:48:18
ST3:[540487]
L1.BPF.SPM*



WATER GUN AND AIRGUN VSP
2.3 TRUE AMPLITUDE RECOVERY WITH AGC

COMPANY : AMOCO AUSTRALIA PETRLEUM CO.
FIELD :
WELL : PELICAN 5

WATER GUN LEVELS: 1 - 66
AIRGUN LEVELS : 67 - 134

TRUE AMPLITUDE RECOVERY FACTOR IS 1.2
AGC HAS BEEN APPLIED (400 MS WINDOW)
DATA CORRECTED IN TIME TO SRD.
DEPTH REFERENCED TO KB.
SHOTS WITH LOW SIGNAL/NOISE WERE
ELIMINATED PRIOR TO STACKING.
TRACES DISPLAYED IN NORMAL POLARITY.
X-AXIS SCALE = 3.75IN/SEC.
Y-AXIS SCALE = LEVEL NUMBER.

SEISMIC REFERENCE DATUM = MEAN SEA LEVEL

L1.TRA.SPM*

WATER GUN AND AIRGUN VSP
2.2 BANDPASS FILTERED WITH AGC

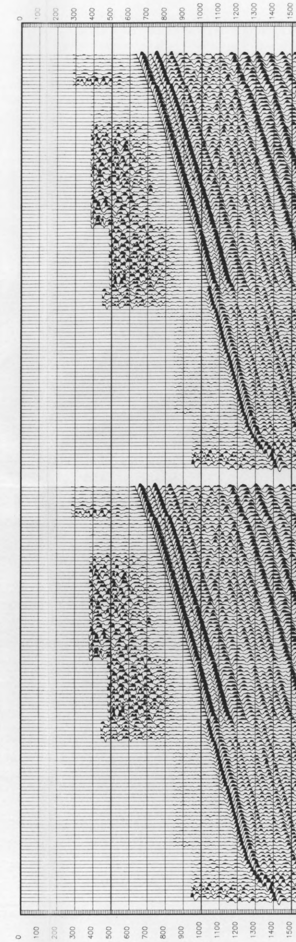
COMPANY : AMOCO AUSTRALIA PETROLEUM CO.
FIELD :
WELL : PELICAN 5

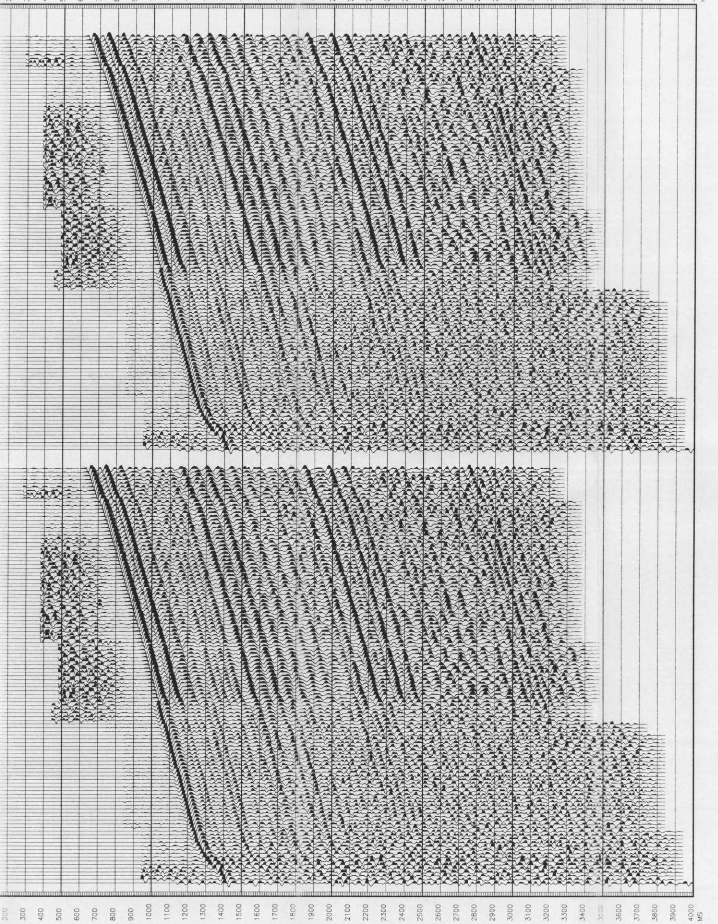
WATER GUN LEVELS: 1 - 66
AIRGUN LEVELS : 67 - 134

FILTER BANDWIDTH IS 14-48HZ.
AGC HAS BEEN APPLIED (400 MS WINDOW)
DEPTH REFERENCED TO KB.
SHOTS WITH LOW SIGNAL/NOISE WERE
ELIMINATED PRIOR TO STACKING.
TRACES DISPLAYED IN NORMAL POLARITY.
X-AXIS SCALE = 3.75IN/SEC.
Y-AXIS SCALE = LEVEL NUMBER.

CLIENT : AMOCO AUSTRALIA
FIELD :
WELL : PELICAN 5

12:23:30
ST3:[540487]
L1.BPA.SPM*





CLIENT : AMOCO AUSTRALIA PETROLEUM CO.
FIELD : .
WELL : PELICAN 5

L1.VEL.DDF*

WATER GUN AND AIRGUN VSP
3.1 DOWNGOING EVENTS AFTER VELOCITY FILTER

COMPANY : AMOCO AUSTRALIA PETROLEUM CO.
FIELD :
WELL : PELICAN 5

WATER GUN LEVELS: 1 - 67
AIRGUN LEVELS : 68 - 134

7 LEVEL VELOCITY FILTER.
CORRECTED TO SRD IN TWO WAY TIME.
THE DOWNGOING EVENTS HAVE BEEN ALIGNED AND SHIFTED TO AN ARBITRARY TIME ORIGIN OF 500MS.
TRACES DISPLAYED IN NORMAL POLARITY.
X-AXIS SCALE = 3.75IN/SEC
Y-AXIS SCALE = LEVEL NUMBER

SEISMIC REFERENCE DATUM = MEAN SEA LEVEL

12-JUN-86 13:24:35
ASJVAX::DISK%TEST3:[540487]
L1.VEL.UDF*

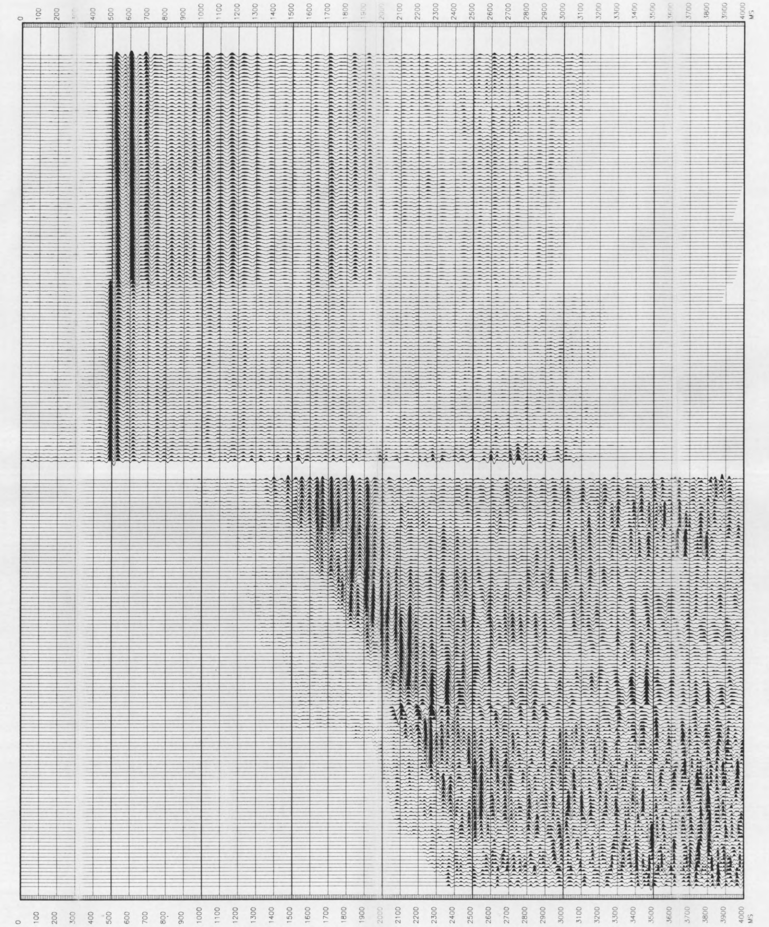
WATER GUN AND AIRGUN VSP
3.0 UPGOING EVENTS AFTER VELOCITY FILTER

COMPANY : AMOCO AUSTRALIA PETROLEUM CO.
FIELD :
WELL : PELICAN 5

WATER GUN LEVELS: 1 - 67
AIRGUN LEVELS : 68 - 134

7 LEVEL VELOCITY FILTER.
CORRECTED TO SRD IN TWO WAY TIME.
THIS PLOT COMPRISES OF UPGOING REFLECTION AND UPGOING MULTIPLE EVENTS.
TRACES DISPLAYED IN NORMAL POLARITY.
X-AXIS SCALE = 3.75IN/SEC
Y-AXIS SCALE = LEVEL NUMBER

SEISMIC REFERENCE DATUM = MEAN SEA LEVEL



17-JUN-86 12:06:44
ASJVAX::DISK%TEST3:[540487]
CLIENT : AMOCO AUSTRALIA PETROLEUM CO.
FIELD : .
WELL : PELICAN 5
L1.VUA.SPM*

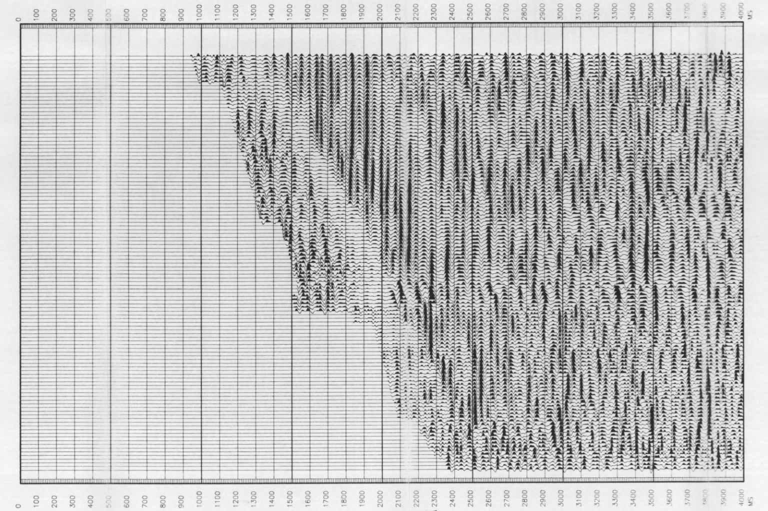
WATER GUN AND AIRGUN VSP
3.2 UPGOING EVENTS AFTER VELOCITY FILTER WITH AGC

COMPANY : AMOCO AUSTRALIA PETROLEUM CO.
FIELD :
WELL : PELICAN 5

WATER GUN LEVELS: 1 - 67
AIRGUN LEVELS : 68 - 134

7 LEVEL VELOCITY FILTER.
AGC HAS BEEN APPLIED (400MS WINDOW).
CORRECTED TO SRD IN TWO WAY TIME.
THIS PLOT COMPRISES OF UPGOING REFLECTION AND UPGOING MULTIPLE EVENTS.
TRACES DISPLAYED IN NORMAL POLARITY.
X-AXIS SCALE = 3.75IN/SEC
Y-AXIS SCALE = LEVEL NUMBER

SEISMIC REFERENCE DATUM = MEAN SEA LEVEL



12-JUN-86 15:01:23
ASJVAX::DISK%TEST3:[540487]
CLIENT : AMOCO AUSTRALIA PETROLEUM CO.
FIELD : .
WELL : PELICAN 5
L1.WSF.DWP*

WATER GUN AND AIRGUN VSP
4.1 DOWNGOING EVENTS AFTER WAVESHAPE DECONVOLUTION.

COMPANY : AMOCO AUSTRALIA PETROLEUM CO.
FIELD :
WELL : PELICAN 5

WATER GUN LEVELS: 1 - 67
AIRGUN LEVELS : 68 - 134

DECONVOLUTION WINDOW IS 2.0 SECOND.
WAVELET = ZERO PHASE / 14-48 HZ
TRACES DISPLAYED IN NORMAL POLARITY.
X-AXIS SCALE = 3.75IN/SEC
Y-AXIS SCALE = LEVEL NUMBER

SEISMIC REFERENCE DATUM = MEAN SEA LEVEL

L1.WSF.UWP*

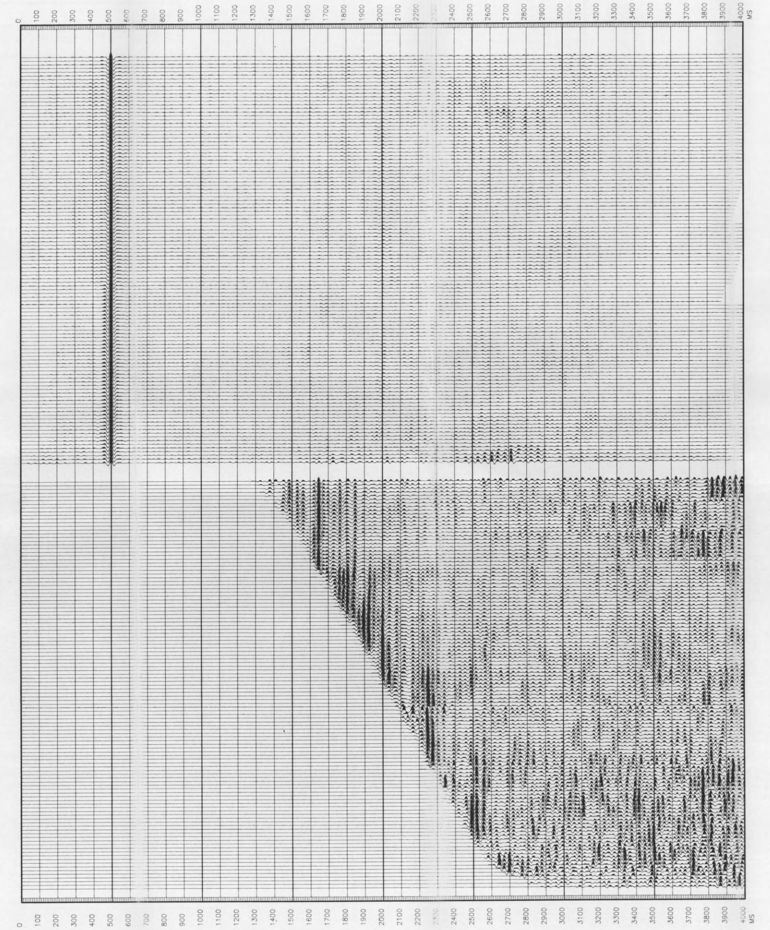
WATER GUN AND AIRGUN VSP
4.0 UPGOING EVENTS AFTER WAVESHAPE DECONVOLUTION.

COMPANY : AMOCO AUSTRALIA PETROLEUM CO.
FIELD :
WELL : PELICAN 5

WATER GUN LEVELS: 1 - 67
AIRGUN LEVELS : 68 - 134

DECONVOLUTION WINDOW IS 2.0 SECOND.
WAVELET = ZERO PHASE / 14-48HZ
TRACES DISPLAYED IN NORMAL POLARITY.
X-AXIS SCALE = 3.75IN/SEC
Y-AXIS SCALE = LEVEL NUMBER

SEISMIC REFERENCE DATUM = MEAN SEA LEVEL



12-JUN-86 18:25:27
ASJVAX::DISK%TEST3:[540487]
CLIENT : AMOCO AUSTRALIA PETROLEUM CO.
FIELD : .
WELL : PELICAN 5

REFL* RHOT* DTTM* GR* SMUO.COP.001* SMUL.COP.001* SREF.COP.002* L1.SU2.SPM* L1.SU1.SPM* L1.AGC.SPM*

5.8 REFLECTION COEFFICIENTS

5.7 BULK DENSITY

5.6 SONIC

5.5 GAMMA RAY

5.4 GEOGRAM
MULTIPLES ONLY 30HZ

5.3 GEOGRAM
PRIMARIES AND MULTIPLES 30HZ

5.2 GEOGRAM
PRIMARIES CORRECTED FOR TRANSMISSION LOSSES 30HZ

5.2 VSP - CORRIDOR STACK
CORRIDOR STACK CONSISTS OF:
LEVELS 2,6 AND 7 : ALL DATA
LEVELS 11-133: 100MS CORRIDOR AFTER FIRST ARRIVAL

5.1 VSP - STACK OF ALL DATA
AGC APPLIED (400MS WINDOW)
TRACES DISPLAYED IN NORMAL POLARITY.

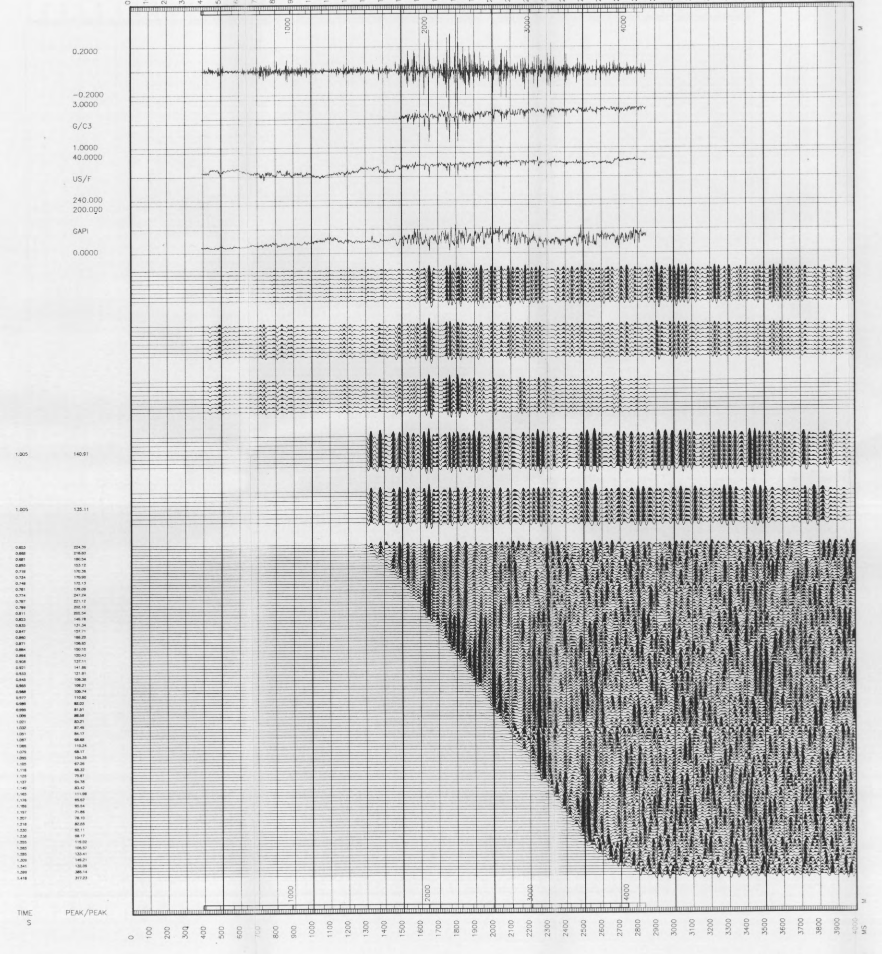
WATER GUN AND AIRGUN VSP
5.0 UPGOING EVENTS AFTER WAVESHAPE DECONVOLUTION.

COMPANY : AMOCO AUSTRALIA PETROLEUM CO.
FIELD :
WELL : PELICAN 5

WATER GUN LEVELS: 1 - 67
AIRGUN LEVELS : 68 - 134

AGC APPLIED (400MS WINDOW)
ZERO PHASE : 14-48 HZ
TRACES DISPLAYED IN NORMAL POLARITY.
X-AXIS SCALE = 3.75IN/SEC
Y-AXIS SCALE = LEVEL NUMBER

SEISMIC REFERENCE DATUM = MEAN SEA LEVEL



12-JUN-86 18:43:16
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CLIENT : AMOCO AUSTRALIA PETROLEUM CO.
FIELD : .
WELL : PELICAN 5

REFL* RHOT* DTTM* GR* SMUO.COP.001* SMUL.COP.001* SREF.COP.002* L1.SU2.SPM* L1.SU1.SPM* L1.AGC.SPM*

6.8 REFLECTION COEFFICIENTS

6.7 BULK DENSITY

6.6 SONIC

6.5 GAMMA RAY

6.4 GEOGRAM
MULTIPLES ONLY 30HZ

6.3 GEOGRAM
PRIMARIES AND MULTIPLES 30HZ

6.2 GEOGRAM
PRIMARIES CORRECTED FOR TRANSMISSION LOSSES 30HZ

6.2 VSP - CORRIDOR STACK
CORRIDOR STACK CONSISTS OF:
LEVELS 2,6 AND 7 : ALL DATA
LEVELS 11-133: 100MS CORRIDOR AFTER FIRST ARRIVAL

6.1 VSP - STACK OF ALL DATA
AGC APPLIED (400MS WINDOW)
TRACES DISPLAYED IN REVERSE POLARITY.

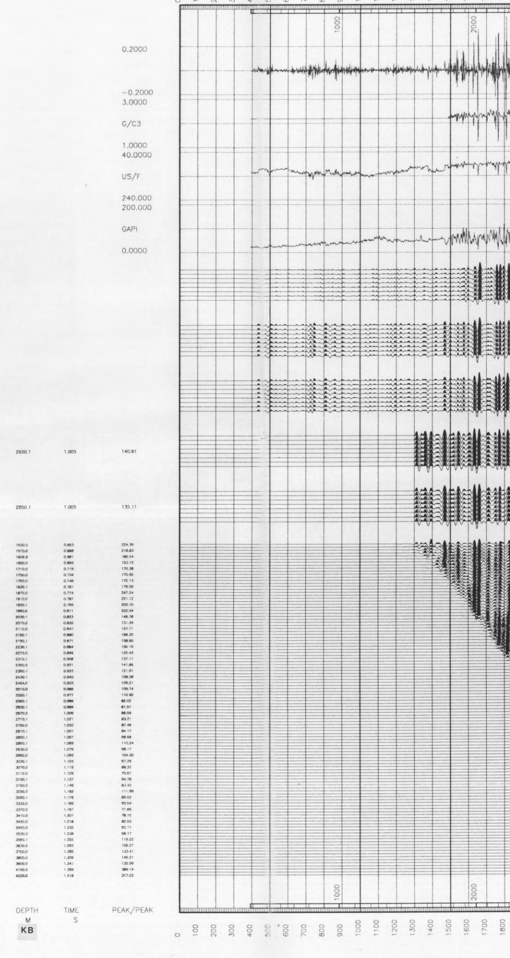
WATER GUN AND AIRGUN VSP
6.0 UPGOING EVENTS AFTER WAVESHAPE DECONVOLUTION.

COMPANY : AMOCO AUSTRALIA PETROLEUM CO.
FIELD :
WELL : PELICAN 5

WATER GUN LEVELS: 1 - 67
AIRGUN LEVELS : 68 - 134

AGC APPLIED (400MS WINDOW)
ZERO PHASE : 14-48 HZ
TRACES DISPLAYED IN REVERSE POLARITY.
X-AXIS SCALE = 3.75IN/SEC
Y-AXIS SCALE = LEVEL NUMBER

SEISMIC REFERENCE DATUM = MEAN SEA LEVEL



540487RB

12-JUN-86 18:25:27

ASJVAX::DISK%TEST3:[540487]

CLIENT : AMOCO AUSTRALIA PETROLEUM CO.
FIELD : .
WELL : PELICAN 5

REFL* RHOT* DTTM* GR* SMUO.COP.001* SMUL.COP.001* SREF.COP.002* L1.SU2.SPM* L1.SU1.SPM* L1.AGC.SPM*

5.8 REFLECTION COEFFICIENTS

5.7 BULK DENSITY

5.6 SONIC

5.5 GAMMA RAY

5.4 GEOGRAM
MULTIPLES ONLY 30HZ

5.3 GEOGRAM
PRIMARIES AND MULTIPLES 30HZ

5.2 GEOGRAM
PRIMARIES CORRECTED FOR TRANSMISSION LOSSES 30HZ

5.2 VSP - CORRIDOR STACK
CORRIDOR STACK CONSISTS OF:
LEVELS 2,6 AND 7 : ALL DATA
LEVELS 11-133: 100MS CORRIDOR AFTER FIRST ARRIVAL

5.1 VSP - STACK OF ALL DATA
AGC APPLIED (400MS WINDOW)
TRACES DISPLAYED IN NORMAL POLARITY.

WATER GUN AND AIRGUN VSP
5.0 UPGOING EVENTS AFTER WAVESHAPE DECONVOLUTION.

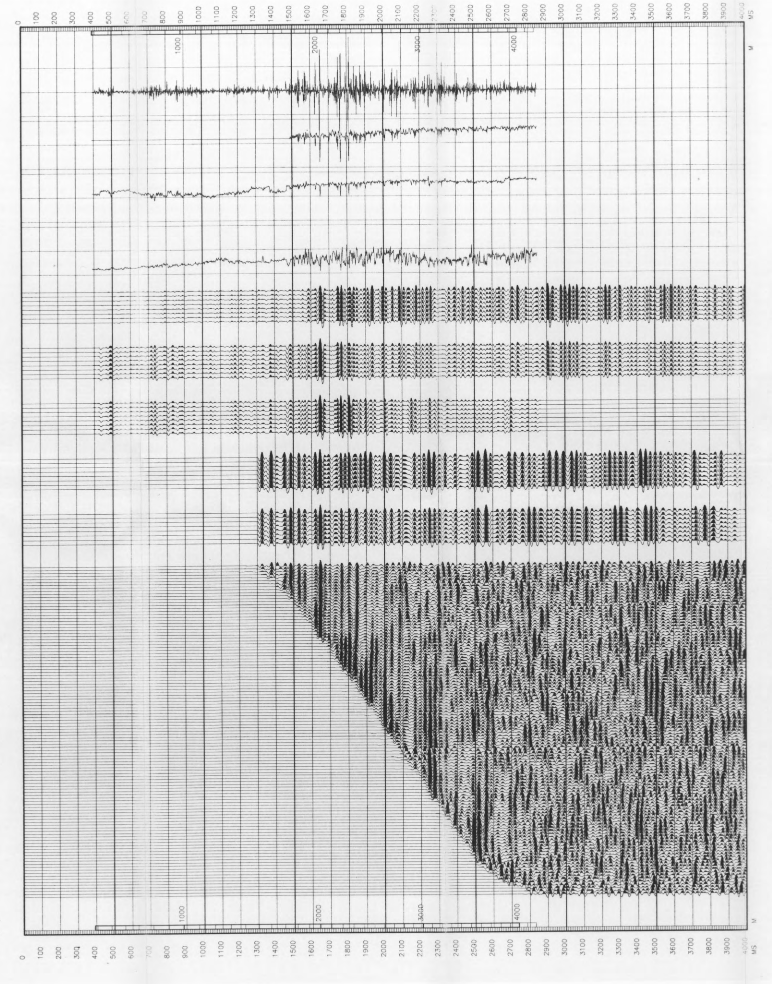
COMPANY : AMOCO AUSTRALIA PETROLEUM CO.
FIELD :
WELL : PELICAN 5

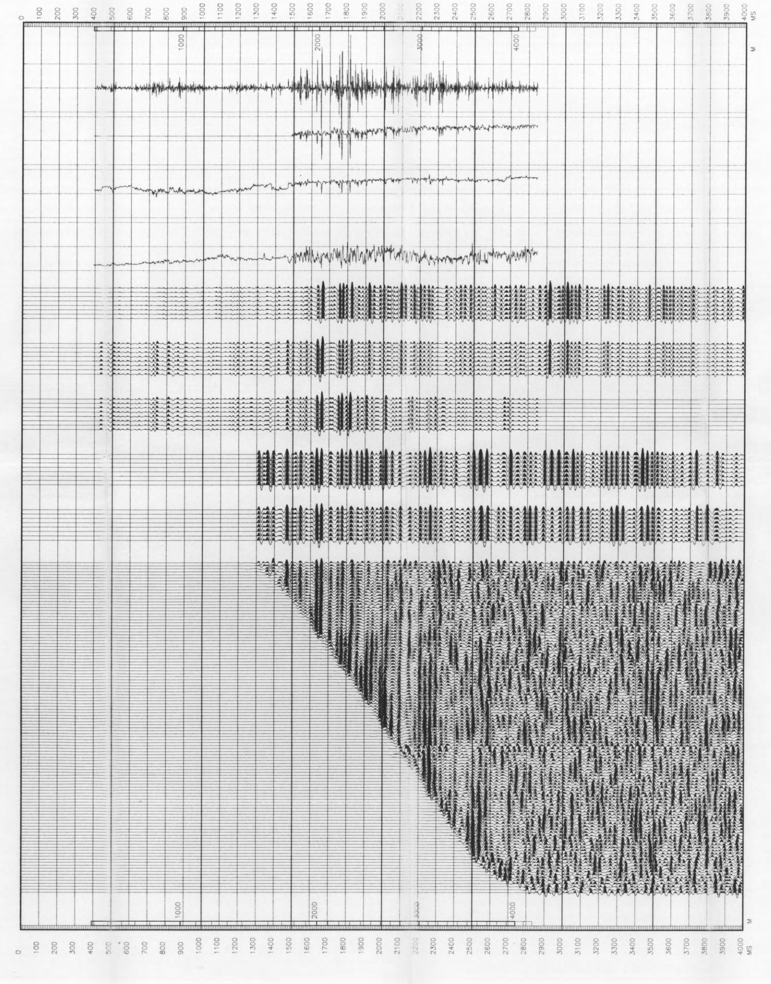
WATER GUN LEVELS: 1 - 67
AIRGUN LEVELS : 68 - 134

AGC APPLIED (400MS WINDOW)
ZERO PHASE : 14-48 HZ
TRACES DISPLAYED IN NORMAL POLARITY.
X-AXIS SCALE = 3.75IN/SEC
Y-AXIS SCALE = LEVEL NUMBER

SEISMIC REFERENCE DATUM = MEAN SEA LEVEL

LEVEL DEPTH M KB TIME S





540487RB

11-JUN-86 17:11:17

ASJVAX::DISK%TEST3:[540487]

CLIENT : AMOCO AUSTRALIA PETROLEUM CO.
FIELD : .
WELL : PELICAN 5

L1.MIW.DWP* L1.MIW.UWP*

WATER GUN AND AIRGUN VSP
7.1 DOWNGOING EVENTS AFTER WAVESHAPE DECONVOLUTION.

COMPANY : AMOCO AUSTRALIA PET. CO.
FIELD :
WELL : PELICAN 5

WATER GUN LEVELS: 1 - 67
AIRGUN LEVELS : 68 - 134

WAVESHAPE DECONVOLUTION
MINIMUM PHASE / 14-48HZ
WINDOW 2.0 SECS.
BANDPASS FILTER 14-48 HZ (ZERO PHASE)

TRACES DISPLAYED IN NORMAL POLARITY.
X-AXIS SCALE = 3.75IN/SEC
Y-AXIS SCALE = LEVEL NUMBER

SEISMIC REFERENCE DATUM = MEAN SEA LEVEL

WATER GUN AND AIRGUN VSP
7.0 UPGOING EVENTS AFTER WAVESHAPE DECONVOLUTION.

COMPANY : AMOCO AUSTRALIA PET. CO.
FIELD :
WELL : PELICAN 5

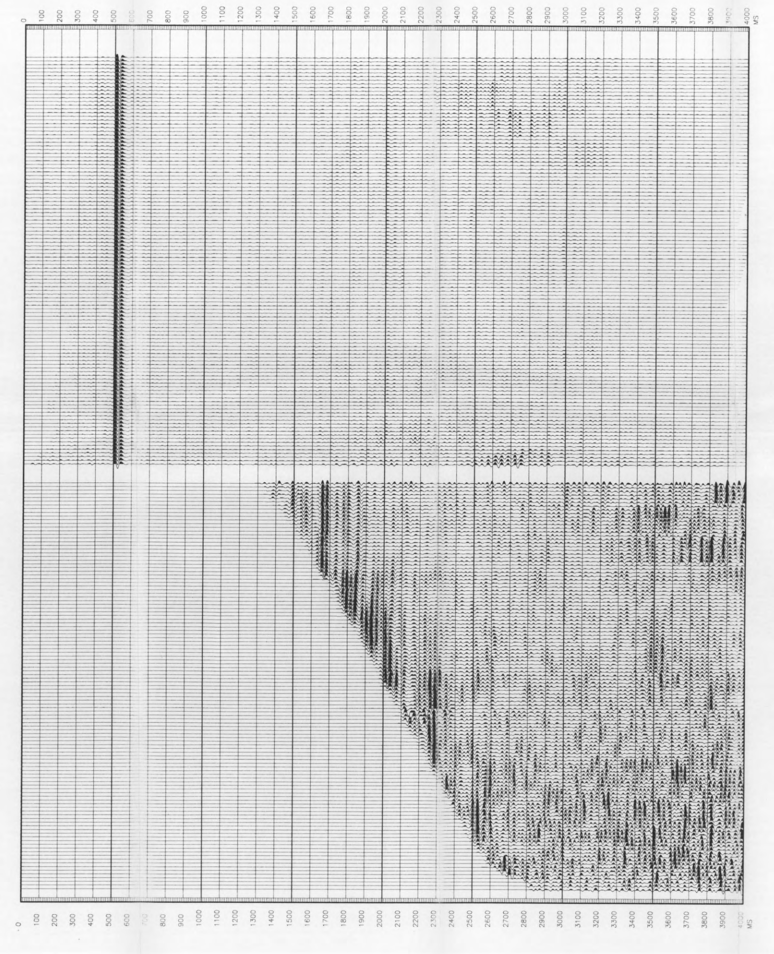
WATER GUN LEVELS: 1 - 67
AIRGUN LEVELS : 68 - 134

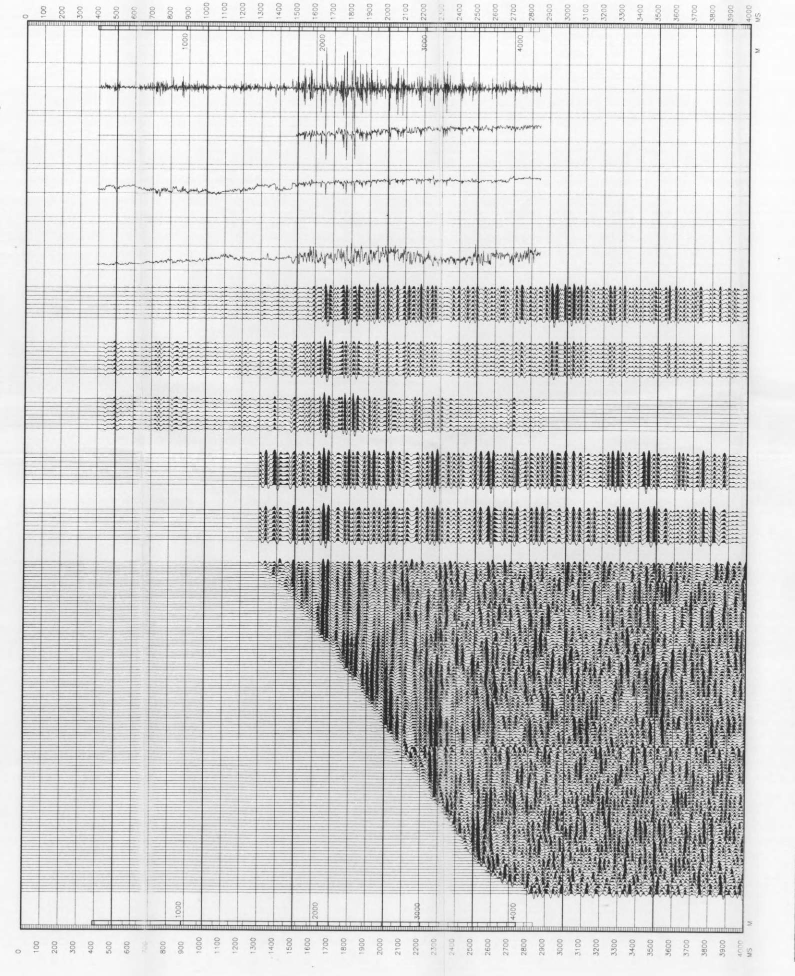
WAVESHAPE DECONVOLUTION
MINIMUM PHASE / 14-48HZ
WINDOW 2.0 SECS.
BANDPASS FILTER 14-48 HZ (ZERO PHASE)

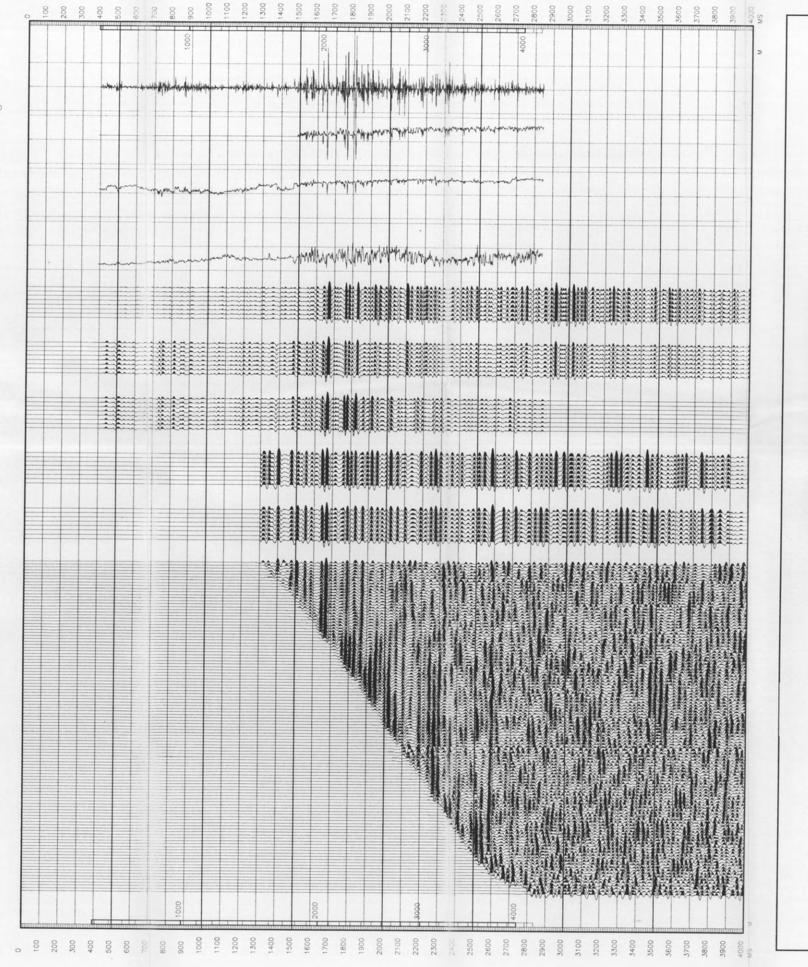
TRACES DISPLAYED IN NORMAL POLARITY.
X-AXIS SCALE = 3.75IN/SEC
Y-AXIS SCALE = LEVEL NUMBER

SEISMIC REFERENCE DATUM = MEAN SEA LEVEL

LEVEL DEPTH M TIME S







Schlumberger

COMPANY AMOCO AUSTRALIA PETROLEUM CO.
FIELD .
WELL PELICAN #5
COUNTRY AUSTRALIA

OR 357L

457205

ENCLOSURE 2

Schlumberger

PERTH COMPUTING CENTRE

GEOGRAM*

ZERO PHASE

(Synthetic Seismogram)

* A Mark of Schlumberger

Company:	AMOCO AUSTRALIA PETROLEUM CO.		
Well:	PELICAN #5		
Field:			
Country:	AUSTRALIA		
Reference No:	540493	Interval:	0.00 to 4250.00
Date Logged:	04/03/86	Date Processed:	12/03/86
Location:	040 20' 43.259" S		145 51' 49.971" E
Elevations:	KB: 21.4 M	DF: 21.1 M	GL: -78.3 M
Permanent Datum:	MSL	Depth Units:	METRES

LOG INFORMATION

FIELD RECORDING: Engineer: WINSLOE Location: VEA Program Version: 28.2

COMPUTATION: Analyst: R. BUNT Centre: ASJ Baseline: 14.2

Logging Datum: ELEVATION ABOVE MEAN SEA LEVEL 21.4 M

Seismic Reference Datum: MSL

Sea Floor: -78.3 M

Sonic Calibration By Check Shots: YES Sonic Edited By Analyst: YES

Two-Way Time Sample Interval: 2 ms Environment: offshore

True Vertical Depth Corrections Applied: NO

Source of True Vertical Depth Data:

Maximum Hole Deviation:

Run	Date	Tool Type		Bit Size/ Depth	Casing Size/ Depth	Top Depth	Bottom Depth
1	04/01/86	BHC		17 1/2" @ 1776 M	20" @ 399 M	78 M	1773 M
2	26/01/86	SLS		12 1/4" @ 3003 M	13 3/8" @ 1750 M	1750 M	3003.5 M
3	09/02/86	SLS		8 1/2" @ 3647 M	9 5/8" @ 2965 M	2965 M	3647 M
4	03/03/86	BHC		6" @ 4267 M	7" @ 3647 M	3647 M	4250 M
WST Run	Date	Gun Offset	Hydro. Offset	Gun Elevation	Hydrophone Elevation	Gun Azimuth	Hydro. Azimuth
1	04/03/86	64.0 M	64.0 M	5 M below MSL	7 M below MSL	80°	80°
.	.	.	.	.	.	.	.
.	.	.	.	.	.	.	.

GEOGRAM MODEL ASSUMPTIONS

Equal time slice model of horizontal plane layers.
Plane acoustic waves at normal incidence.
No intrinsic attenuation.

POLARITY

Standard SEG Convention
An upgoing wave, reflected by an increase in acoustic impedance with depth, is displayed as a white trough under normal polarity.

SIGNATURES

All signatures displayed in the Geogram results correspond to a wavelet convolved with a reflection coefficient of -0.5 (A decrease in acoustic impedance with depth).

REMARKS

Sonic log interval 400 - 4250 metres below KB
Density log interval 1776 - 4250 metres below KB
Time Scale = 3.75 in/sec

FOLD HERE

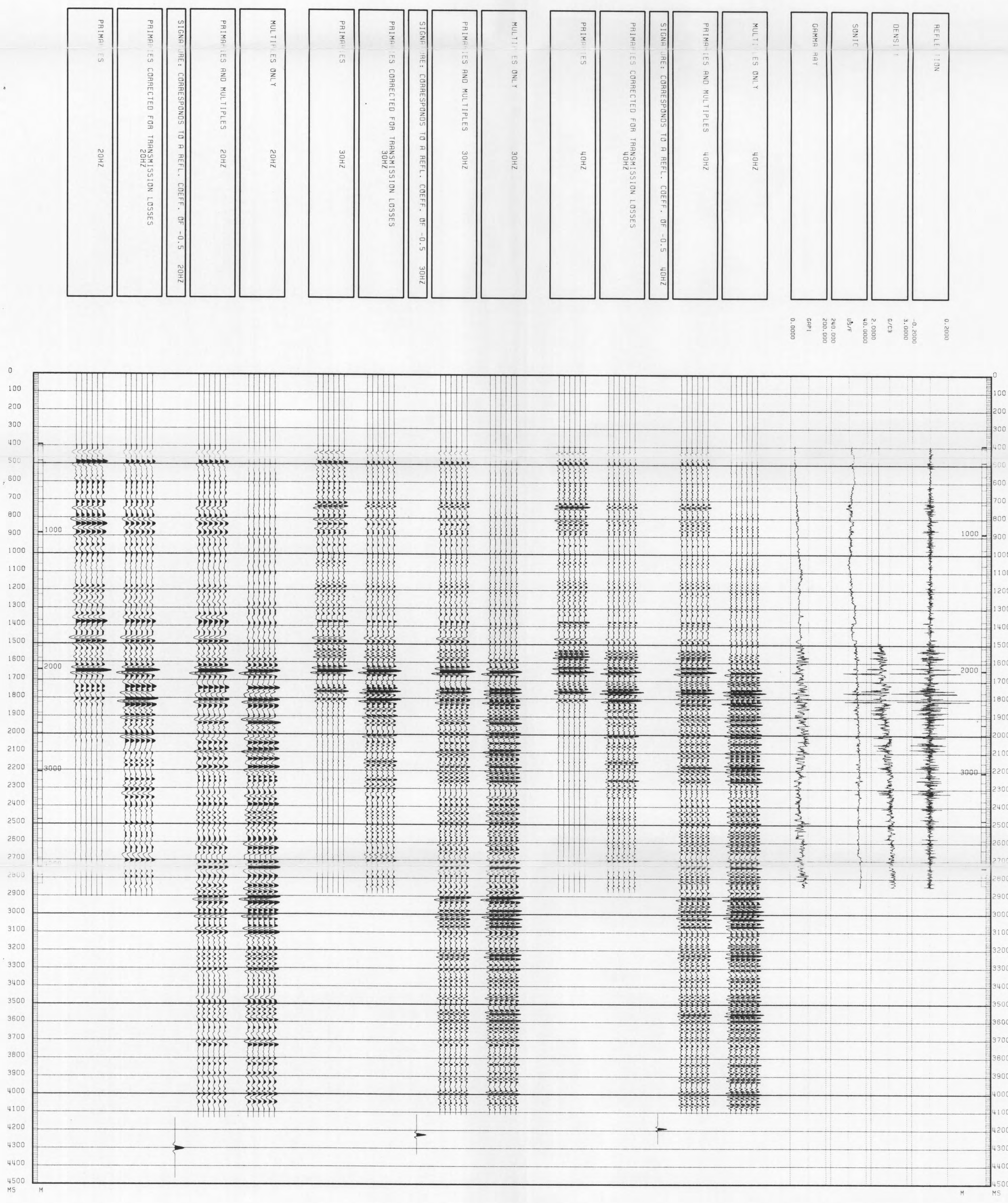
The well name, location and borehole reference data were furnished by the customer

CLIENT : AMOCO AUSTRALIA PETROLEUM CO.
FIELD :
WELL : PELICAN #5

SPRM.GEO.001* SREF.GEO.001* SMUL.GEO.001* SMUO.GEO.001* SPRM.GEO.002* SREF.GEO.002* SMUL.GEO.002* SMUO.GEO.002* SPRM.GEO.003* SREF.GEO.003* SMUL.GEO.003* SMUO.GEO.003* GR* DTTM* RHOT* REFL*

GEOGRAM AFTER SONIC CALIBRATION
RICKER WAVELETS
ZERO PHASE
NORMAL POLARITY

PELICAN #5

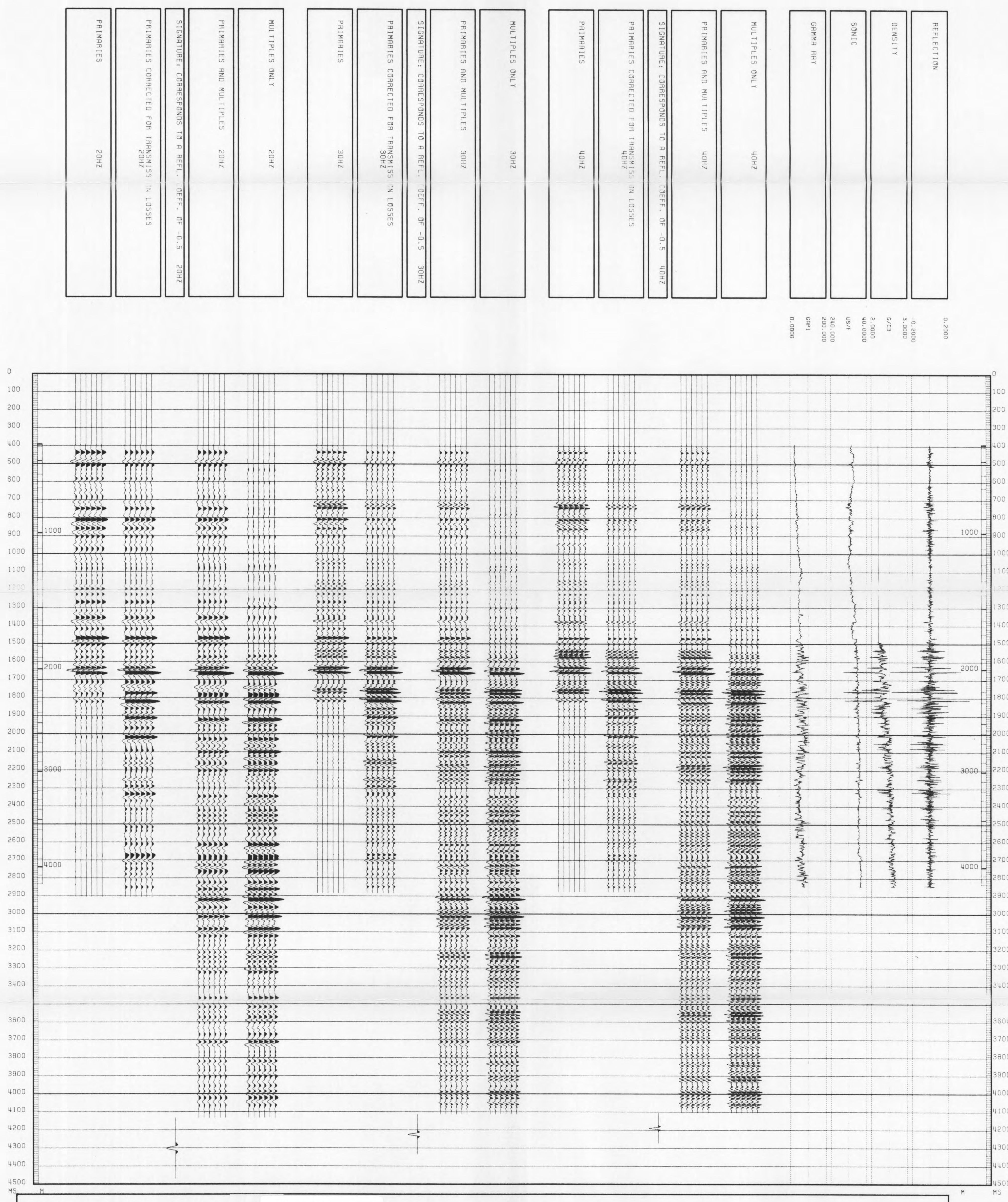


CLIENT : AMOCO AUSTRALIA PETROLEUM CO.
FIELD :
WELL : PELICAN #5

SPRM.GEO.001* SREF.GEO.001* SMUL.GEO.001* SMUO.GEO.001* SPRM.GEO.002* SREF.GEO.002* SMUL.GEO.002* SMUO.GEO.002* SPRM.GEO.003* SREF.GEO.003* SMUL.GEO.003* SMUO.GEO.003* GR* DTTM* RHOT* REFL*

GEOGRAM AFTER SONIC CALIBRATION
RICKER WAVELETS
ZERO PHASE
REVERSE POLARITY

PELICAN #5



Schlumberger

COMPANY AMOCO AUSTRALIA PETROLEUM CO.
FIELD
WELL PELICAN #5
COUNTRY AUSTRALIA

ENCLOSURE 3

457206

Schlumberger

PERTH COMPUTING CENTRE

GEOGRAM*

MINIMUM PHASE

(Synthetic Seismogram)

* A Mark of Schlumberger

Company: AMOCO AUSTRALIA PETROLEUM CO.
Well: PELICAN #5
Field: .
Country: AUSTRALIA
Reference No: 540493 Interval: 0.00 to 4250.00
Date Logged: 04/03/86 Date Processed: 12/03/86
Location: 040 20' 43.259" S 145 51' 49.971" E
Elevations: KB: 21.4 M DF: 21.1 M GL: -78.3 M
Permanent Datum: MSL Depth Units: METRES

LOG INFORMATION

FIELD RECORDING: Engineer: WINSLOE Location: VEA Program Version: 28.2
COMPUTATION: Analyst: R. BUNT Centre: ASJ Baseline: 14.2

Logging Datum: ELEVATION ABOVE MEAN SEA LEVEL 21.4 M
Seismic Reference Datum: MSL
Sea Floor -78.3 M

Sonic Calibration By Check Shots: YES Sonic Edited By Analyst: YES
Two-Way Time Sample Interval: 2 ms Environment: offshore
True Vertical Depth Corrections Applied: NO
Source of True Vertical Depth Data: .
Maximum Hole Deviation: .

Run	Date	Tool Type	Bit Size/ Depth	Casing Size/ Depth	Top Depth	Bottom Depth
1	04/01/86	BHC	17 1/2" @ 1776 M	20" @ 399 M	78 M	1773 M
2	26/01/86	SLS	12 1/4" @ 3003 M	13 3/8" @ 1750 M	1750 M	3003.6 M
3	09/02/86	SLS	8 1/2" @ 3647 M	9 5/8" @ 2955 M	2955 M	3647 M
4	03/03/86	BHC	6" @ 4267 M	7" @ 3647 M	3647 M	4250 M

WST Run	Date	Gun Offset	Hydro. Offset	Gun Elevation	Hydrophone Elevation	Gun Azimuth	Hydro. Azimuth
1	04/03/86	64.0 M	64.0 M	5 M below MSL	7 M below MSL	80°	80°
.	.	.	.	.	.	.	.
.	.	.	.	.	.	.	.

GEOGRAM MODEL ASSUMPTIONS

Equal time slice model of horizontal plane layers.
Plane acoustic waves at normal incidence.
No intrinsic attenuation.

POLARITY

Standard SEG Convention
An upgoing wave, reflected by an increase in acoustic impedance with depth, is displayed as a white trough under normal polarity.

SIGNATURES

All signatures displayed in the Geogram results correspond to a wavelet convolved with a reflection coefficient of -0.5 (A decrease in acoustic impedance with depth).

REMARKS

Sonic log interval 400 - 4250 metres below KB
Density log interval 1776 - 4250 metres below KB
Time Scale = 3.75 in/sec

FOLD HERE

The well name, location and borehole reference data were furnished by the customer.

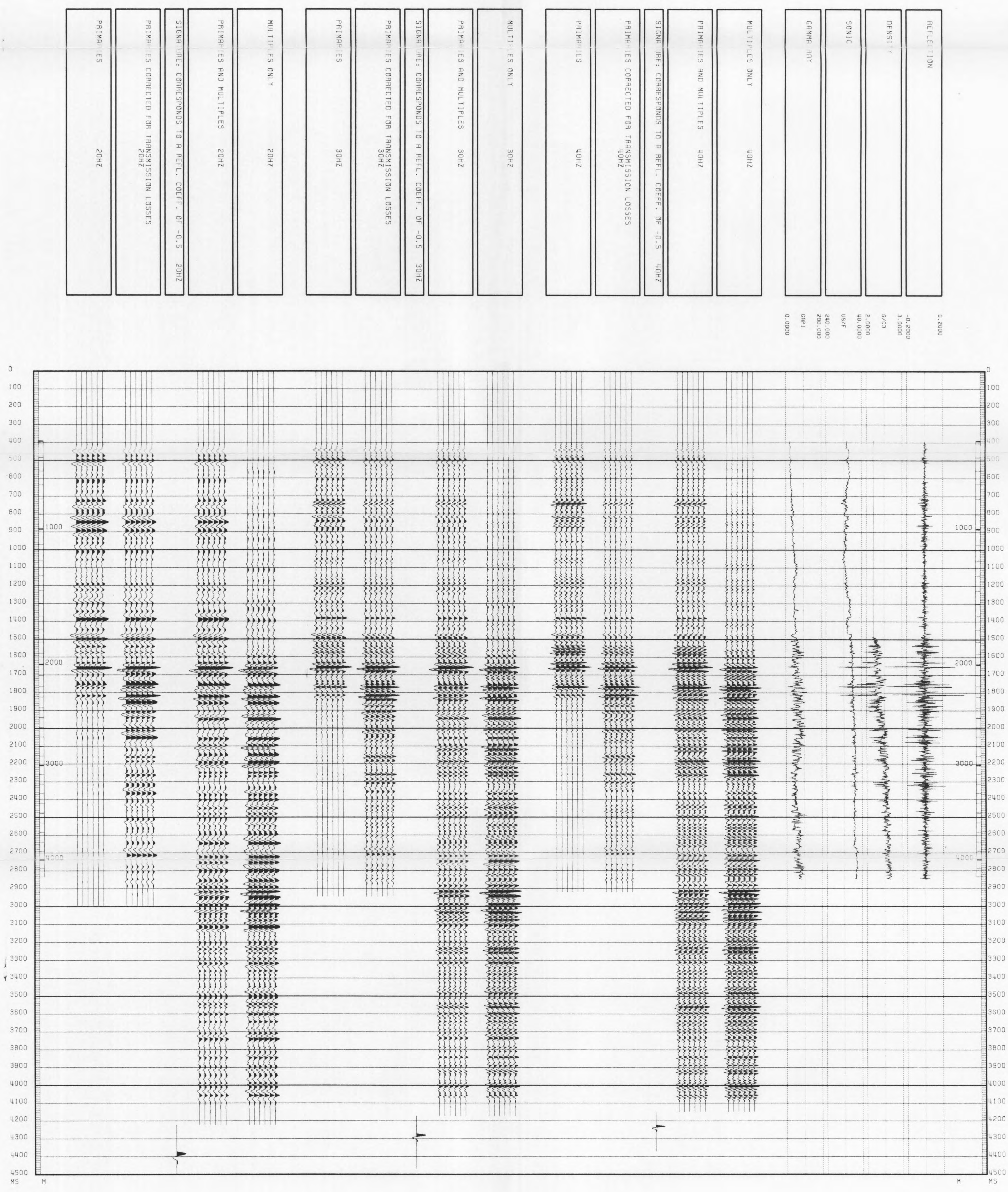
CLIENT : AMOCO AUSTRALIA PETROLEUM CO.
FIELD : .
WELL : PELICAN #5

SPRM.GEO.004* SREF.GEO.004* SMUL.GEO.004* SMUO.GEO.004* SPRM.GEO.005* SREF.GEO.005* SMUL.GEO.005* SMUO.GEO.005* SPRM.GEO.006* SREF.GEO.006* SMUL.GEO.006* SMUO.GEO.006* GR* DTTM* RHOT* REFL*

GEOGRAM AFTER SONIC CALIBRATION
RICKER WAVELETS
MINIMUM PHASE
NORMAL POLARITY

5 cm

PELICAN #5

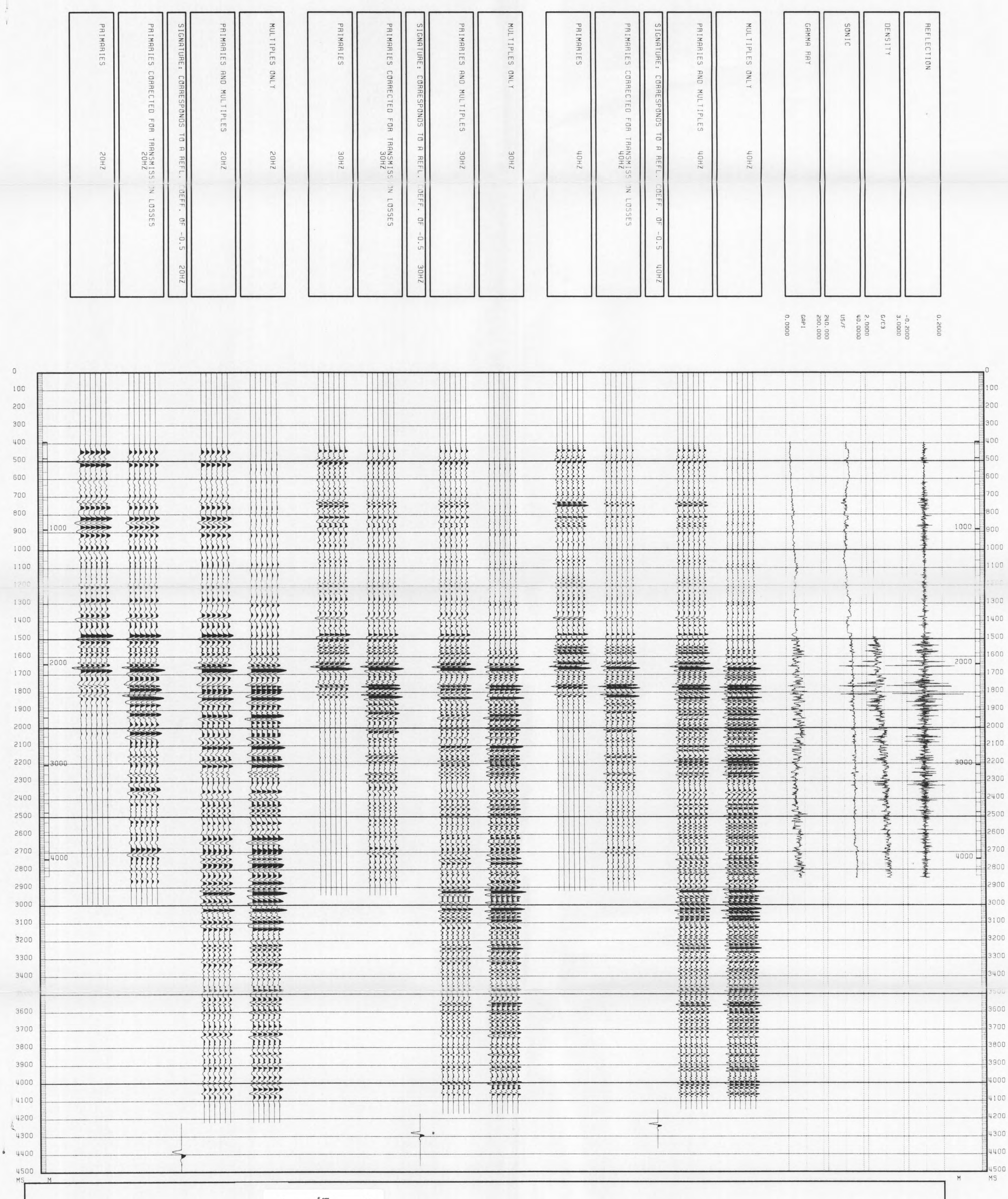


CLIENT : AMOCO AUSTRALIA PETROLEUM CO.
FIELD : .
WELL : PELICAN #5

SPRM.GEO.004* SREF.GEO.004* SMUL.GEO.004* SMUO.GEO.004* SPRM.GEO.005* SREF.GEO.005* SMUL.GEO.005* SMUO.GEO.005* SPRM.GEO.006* SREF.GEO.006* SMUL.GEO.006* SMUO.GEO.006* GR* DTTM* RHOT* REFL*

GEOGRAM AFTER SONIC CALIBRATION
RICKER WAVELETS
MINIMUM PHASE
REVERSE POLARITY

PELICAN #5



5 cm

Schlumberger

COMPANY AMOCO AUSTRALIA PETROLEUM CO.
FIELD .
WELL PELICAN #5
COUNTRY AUSTRALIA

OR-357L

457207

ENCLOSURE 4

Schlumberger

PERTH
COMPUTING
CENTRE

SEISMIC CALIBRATION LOG

(Adjusted Continuous Velocity Log)

Company:	AMOCO AUSTRALIA PETROLEUM CO.				
Well:	PELICAN #5				
Field:	.				
Country:	AUSTRALIA				
Reference No:	540493	Interval:	0.00 to 4250.00		
Date Logged:	04/03/86	Date Processed:	12/03/86		
Location:	040 20' 43.259" S		145 51' 49.971" E		
Elevations:	KB: 21.4 M	DF: 21.1 M	GL: -78.3 M		
Permanent Datum:	MSL	Depth Units:	METRES		
FIELD RECORDING:	Engineer: WINSLOE	Location: VEA	Program Version: 28.2		
COMPUTATION:	Analyst: R. BUNT	Centre: ASJ	Baseline: 14.2		

ELEVATION ABOVE MEAN SEA LEVEL

Logging Datum: 21.4 M

Seismic Reference Datum: MSL

Sea Floor -78.3 M

LOGGING DATUM

MEAN SEA LEVEL

SEA FLOOR

Total No. of Check Levels: 129 (from 100 to 4240 m below RT)

Velocity Log Depth Reference: SRD

Velocity Log Time Reference: SRD

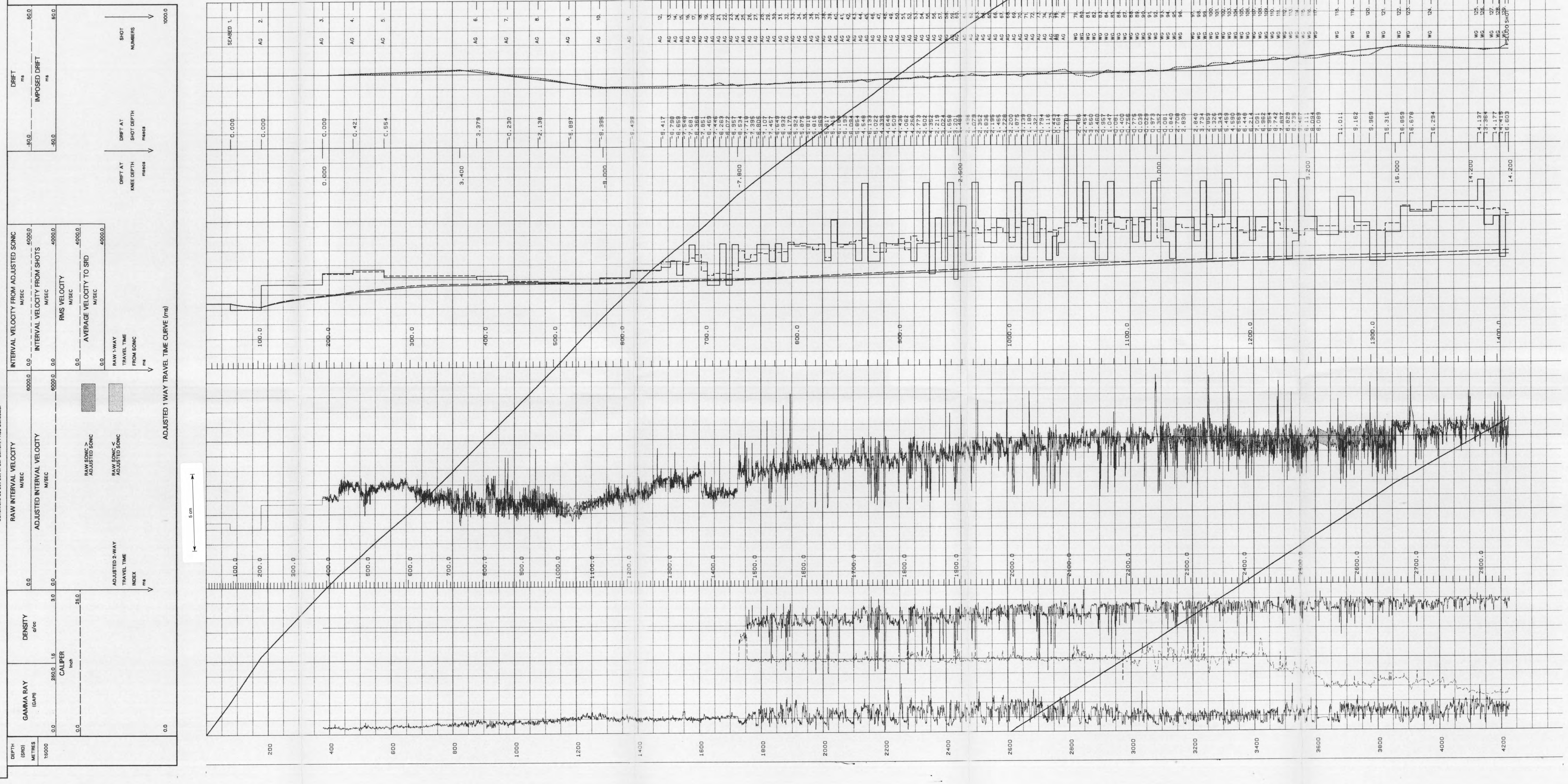
Run	Date	Tool Type		Bit Size/ Depth	Casing Size/ Depth	Top Depth	Bottom Depth
1	04/01/86	BHC		17 1/2" @ 1776 M	20" @ 399 M	78 M	1773 M
2	25/01/86	SLS		12 1/4" @ 3003 M	13 3/8" @ 1750 M	1750 M	3003.5 M
3	09/02/86	SLS		8 1/2" @ 3647 M	9 5/8" @ 2955 M	2955 M	3647 M
4	03/03/86	BHC		6" @ 4267 M	7" @ 3647 M	3647 M	4250 M
WST Run	**Date**	**Gun Offset**	**Hydro. Offset**	**Gun Elevation**	**Hydrophone Elevation**	**Gun Azimuth**	**Hydro. Azimuth**
1	04/03/86	64.0 M	64.0 M	5 M below MSL	7 M below MSL	90°	90°
.	.	.	.	.	.	.	.
.	.	.	.	.	.	.	.

REMARKS

Sonic log interval 400 - 4250 metres below KB
Density log interval 1776 - 4250 metres below KB
AG = Recorded with AIRGUN
WG = Recorded with WATER GUN

FOLD HERE

The well name, location and borehole reference data were furnished by the customer.



COMPANY AMOCO AUSTRALIA PETROLEUM CO.
FIELD
WELL PELICAN #5
COUNTRY AUSTRALIA

Schlumberger