Velocity Survey
Blackback - 1
(W 994)

Schlumberger

ESSO AUSTRALIA LTD.

SONIC CALIBRATION AND GEOGRAM PROCESSING REPORT

BLACKBACK #1 (ST-1/ST-2)

FIELD : WILDCAT

STATE : VICTORIA

COUNTRY : AUSTRALIA

COORDINATES : 038° 33' 3.37" S
147° 33' 42.68" E

DATE OF SURVEY : 29 MAY 89 / 16 JUNE 89

REFERENCE NO. : SYJ-56460

Schlumberger

ESSO AUSTRALIA LTD.

SONIC CALIBRATION AND GEOGRAM PROCESSING REPORT

BLACKBACK #1 (ST-1/ST-2)

FIELD : WILDCAT

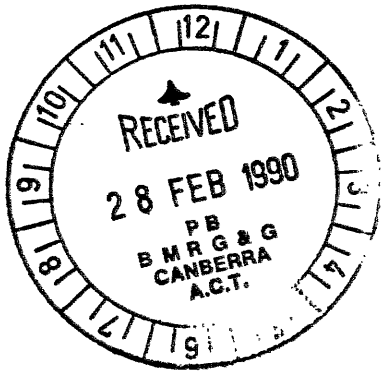
STATE : VICTORIA

COUNTRY : AUSTRALIA

COORDINATES : 038° 33' 3.37" S
147° 33' 42.68" E

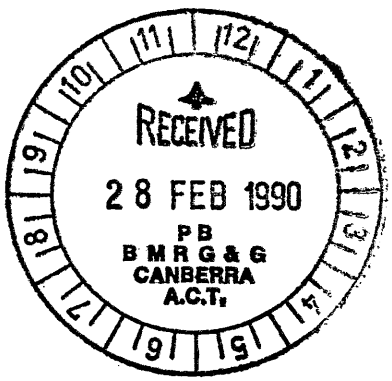
DATE OF SURVEY : 29 MAY 89 / 16 JUNE 89

REFERENCE NO. : SYJ-56460

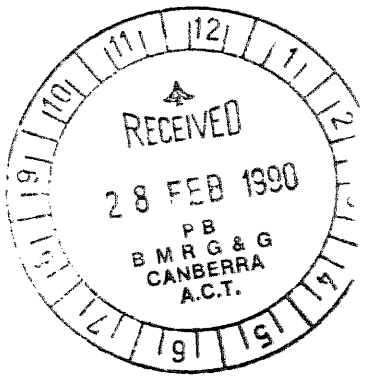


LIST OF ENCLOSURES

Drift Corrected Sonic Part A, Part B
Seismic Calibration Log Part A, Part B
25 hz zero phase Geogram 10 cm/sec Part A, Part B
35 hz zero phase Geogram 10 cm/sec Part A, Part B
45 hz zero phase Geogram 10 cm/sec Part A, Part B



Contents



List of Tables

1. Introduction

Combined checkshot surveys in sidetrack 1 and sidetrack 2 of the Blackback #1 well have been used to calibrate the sonic log. Furthermore a series of geogram plots using 25,35 and 45 Hz zero phase Ricker wavelets have been generated.

A splice of the logged data from the two sidetracks was used for the geogram processing. The logs were corrected to true vertical depth using dipmeter data from the continuous directional survey.

Aspects such as the deviation of the well and the thickening sea layer in the direction of the well trajectory have been taken into account for the calibration. To illustrate these effects two sets of plots accompany this report. Plots marked part A include results obtained by taking into account all the available data to make the best possible calibration. While part B plots involve no correction for the above factors.

2. Data Acquisition

For sidetrack 1 a combination of both the SAT (seismic acquisition tool) and WST (well seismic tool) were used to acquire the data. The reason for using both tools is attributed to the breakdown of the SAT tool. Data acquisition for sidetrack 2 was accomplished with the WST tool. Recording was made on the Schlumberger Cyber Service Unit (CSU) using LIS format at a tape density of 1600 BPI. Due to the nature of the sidetracks the gun and hydrophone configuration for each checkshot survey were different. Shooting in sidetrack one incorparated a constant gun offset while for sidetrack two the airgun was positioned above each geophone level. Therefore the offsets for each level were calculated by estimating the horizontal distance for each geophone depth in sidetrack 2 to the well head. This was derived by using the dipmeter data to find the extent of deviation at each level.

Table 1: Survey Parameters

Datum	AMSL
Elevation KB	21.0 meters AMSL
Elevation DF	20.7 meters AMSL
Elevation GL	418.0 below MSL
Total Depth	3904.0 meters below KB
Energy Source	Airgun
Source Offset	ST-1 = 60 meters
	ST-2 = Above each level
Source Depth	ST-1 = 3.0 m below MSL
	ST-2 = 5.0 m below MSL
Hydrophone Depth	ST-1 = 12.0 m below MSL
	ST-2 = 3.5 m below MSL

3. Sonic Calibration Processing

3.1 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 versus 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 μsec/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}, Δt - Δt_{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: $\Delta t = G(\Delta t - \Delta t_{min}) + \Delta t_{min}$.

3.2 Correction to Datum

The corrected sonic log is indexed to true vertical depth and referenced to SRD.

3.3 Open Hole Logs

The sonic log recorded in each sidetrack was spliced together before applying true vertical depth corrections (575 - 3904 m MD) (575 - 3615 TVD). There was no density log recorded therefore a constant value is assumed.

The calliper and gamma ray curves are also indexed to TVD and are included as correlation curves. Note that the gamma ray is a splice from sidetrack 1 and 2 whereas the caliper is from sidetrack 1.

3.4 Sonic Calibration Results

The top of the sonic log (575 meters below KB) is chosen as the origin for the calibration drift curve.

The sonic drift curve indicates drift over the check shot interval. The drift curve included with the part A plots is the best available after taking into account thickening sea layer and different sediment velocities (due to the deviation of the well). The correction due to the change in sea floor is achieved by using replacement velocities of the near surface sediments at the well location. Part B plots illustrate the calibration of the sonic using the absolute check shot times. This latter calibration whilst depicting anomalous drift should provide the best tie with the seismic. This may be substantiated by considering that the integrated sonic time suffers due to the deviation of the well whereas the checkshot time provides the most accurate traveltime to each geophone depth. So when the deviation of the well begins the drift becomes quite large.

4. Synthetic Seismogram Processing

GEOGRAM plots were generated using 25,35 and 45 Hz zero phase Ricker wavelets .

The presentations include both normal and reverse polarity on a time scale of 10 cm/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:

Depth to time conversion
Reflection coefficient generation
Attenuation coefficient calculation
Convolution
Output.

4.1 Depth to Time 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.

4.2 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.

4.3 Primaries with Transmission Loss

Transmission loss on two-way attenuation coefficients is 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:

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

4.4 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.

4.5 Multiples Only

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

4.6 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
Butterworth wavelet
User defined wavelet.

Time variant Butterworth filtering can be applied after convolution.

4.7 Polarity Convention

An increase in acoustic impedance gives a positive reflection coefficent, is written to tape as a negative number and is displayed as a white trough under normal polarity. Polarity conventions are displayed in Figure-1.

4.8 Convolution

The standard procedure of convolving the wavelet with reflection coefficients; the output is the synthetic seismogram.

A Summary of Geophysical Listings

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

A1 Geophysical Airgun Report

1. Level number : the level number starting from the top level (includes any imposed shots).

2. Measured depth from KB : *dkb*, the depth in meters from kelly bushing .

3. Vertical depth from SRD : *dsrd*, the depth in meters from seismic reference datum.

4. 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.

5. Vertical travel time SRC to GEO : *timv*, is corrected for source to hydrophone distance and for source offset.

6. Vertical travel time SRD to GEO : *shtm*, is *timv* corrected for the vertical distance between source and datum.

7. Average velocity SRD to GEO : the average seismic velocity from datum to the corresponding checkshot level, $\frac{dsrd}{shtm}$.

8. Delta depth between shots : $\Delta depth$, the vertical distance between each level.

9. Delta time between shots : $\Delta time$, the difference in vertical travel time (*shtm*) between each level.

10. Interval velocity between shots : the average seismic velocity between each level, $\frac{\Delta depth}{\Delta time}$.

A2 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 meters from kelly bushing .

3. Vertical depth from SRD : the depth in meters from seismic reference datum.

4. Vertical travel time SRD to GEO : the calculated vertical travel time from datum to downhole geophone (see column 7, Geophysical Airgun Report).

5. 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.

6. Computed drift at level : the checkshot time minus the integrated raw sonic time.

7. Computed blk-shft correction : the drift gradient between any two checkshot levels ($\frac{\Delta drift}{\Delta depth}$).

A3 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 meters from kelly bushing .

3. Vertical depth from SRD : the depth in meters from seismic reference datum.

4. Drift at knee : the value of drift imposed at each knee.

5. Blockshift used : the change in drift divided by the change in depth between any two levels.

6. Delta-T minimum used : see section 4 of report for an explanation of Δt_{min}.

7. Reduction factor : see section 4 of report.

8. Equivalent blockshift : the gradient of the imposed drift curve.

A4 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 meters from kelly bushing .

3. Vertical depth from SRD : the depth in meters from seismic reference datum

4. Vertical travel time SRD to GEOPH : the vertical travel time from SRD to downhole geophone (see column 7, Geophysical Airgun Report)

5. 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.)

6. Drift=shot time-raw sonic : the check shot time minus the raw integrated sonic time.

7. Residual=shot time-adj sonic : the check shot time minus the adjusted integrated sonic time. This is the difference between calculated drift and the imposed drift.

8. Adjusted interval velocity : the interval velocity calculated from the integrated adjusted sonic time at each level.

A5 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).

$$\Delta t = \sqrt{t^2 + (\frac{X}{v_{rms}})^2} - t$$

where:

Δt = normal moveout (secs)
X = moveout distance (meters)
t = two way time (secs)
v_{rms} = rms velocity (meters /sec)

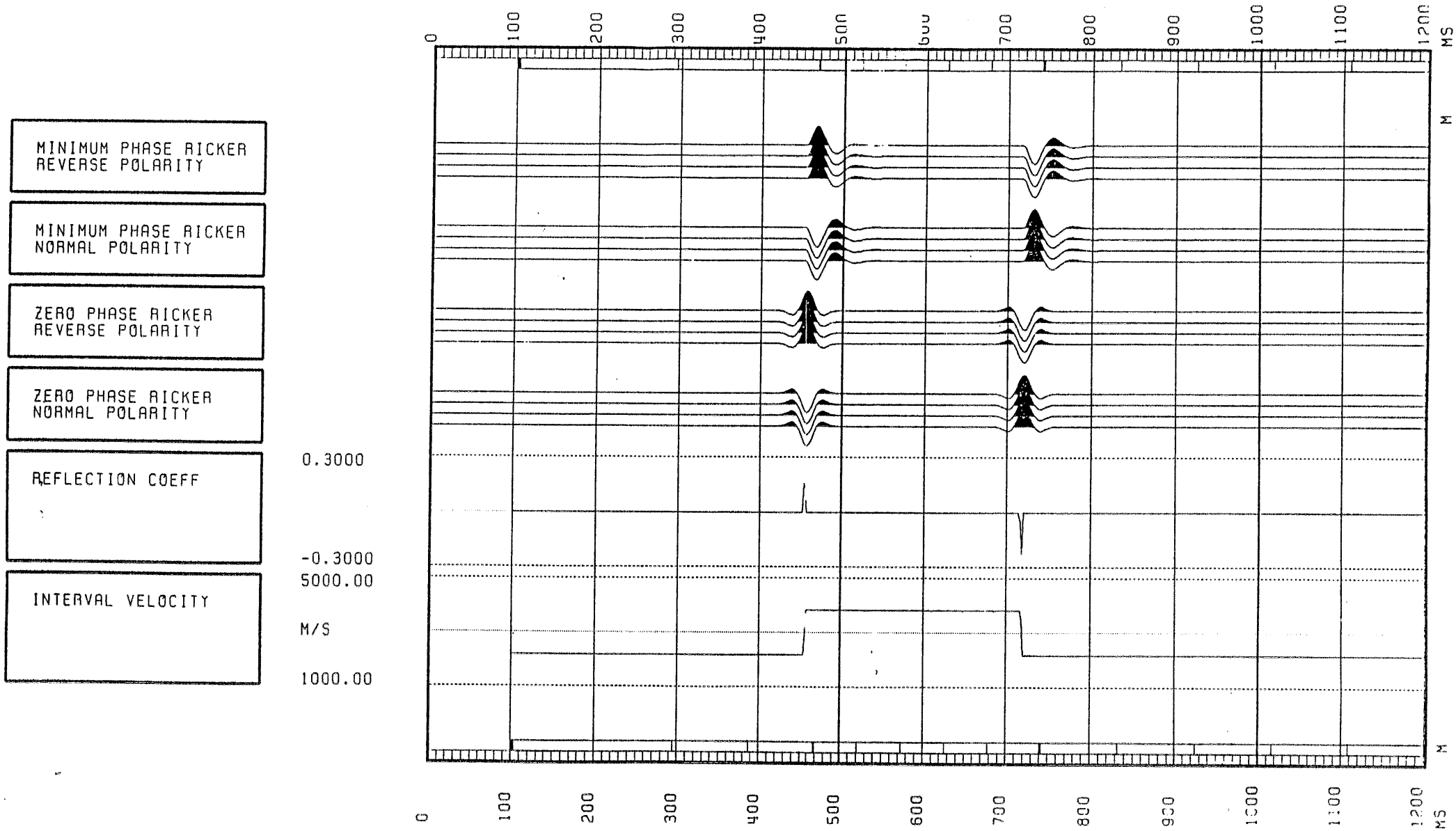
7. Second normal moveout : the correction time in millisecs to be applied to the two way travel time for a specified moveout distance (default = 4500 feet).

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.

SCHLUMBERGER (SEG-1976) WAVELET POLARITY CONVENTION

Figure 1



GEOPHYSICAL LISTINGS FOR PART A

Geophysical Air Gun Report

ANALYST: Z.KATELIS 2-AUG-89 15:19:32 PROGRAM: GSHOT 007.E08

SCHLUMBERGER

GEOPHYSICAL AIRGUN REPORT

COMPANY : ESSO AUSTRALIA LTD.
WELL : BLACKBACK #1
FIELD : WILDCAT
COUNTRY : AUSTRALIA
REFERENCE: SYJ-56460

LONG DEFINITIONS

GLOBAL

KB - ELEVATION OF THE KELLY-BUSHING ABOVE MSL OR MWL
SRD - ELEVATION OF THE SEISMIC REFERENCE DATUM ABOVE MSL OR MWL
EKE - 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 T 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)
TIMO.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	:	21.0000	M
ELEV OF SRD AB. MSL(WST)	SRD	:	0	M
ELEVATION OF KELLY BUSHI	EKB	:	21.0000	M
ELEV OF GL AB. SRD(WST)	GL	:	-418.000	M
VEL SOURCE-HYDRO(WST)	VELHYD	:	1500.00	M/S
VEL SOURCE-SRD (WST)	VELSUR	:	1500.00	M/S

(MATRIX PARAMETERS)

	SOURCE ELV M	SOURCE EW M	SOURCE NS M	HYDRO ELEV M	HYDRO EW M	HYDRO NS M
1	-3.00	0	60.00	-12.00	0	60.00
2	-3.00	0	60.00	-12.00	0	60.00
3	-3.00	0	60.00	-12.00	0	60.00
4	-3.00	0	60.00	-12.00	0	60.00
5	-3.00	0	60.00	-12.00	0	60.00
6	-3.00	0	60.00	-12.00	0	60.00
7	-3.00	0	60.00	-12.00	0	60.00
8	-3.00	0	60.00	-12.00	0	60.00
9	-3.00	0	60.00	-12.00	0	60.00
10	-5.00	137.42	-163.77	-3.50	137.42	-163.77
11	-5.00	159.39	-189.96	-3.50	159.39	-189.96
12	-5.00	262.20	-312.48	-3.50	262.20	-312.48
13	-5.00	324.35	-386.55	-3.50	324.35	-386.55
14	-5.00	389.47	-464.16	-3.50	389.47	-464.16
15	-5.00	452.55	-539.32	-3.50	452.55	-539.32
16	-5.00	497.51	-592.91	-3.50	497.51	-592.91
17	-5.00	527.57	-628.73	-3.50	527.57	-628.73

	TRT HYD-SC MS	TRT SC-SRD MS
1	6.00	2.00
2	6.00	2.00
3	6.00	2.00
4	6.00	2.00
5	6.00	2.00
6	6.00	2.00
7	6.00	2.00
8	6.00	2.00
9	6.00	2.00
10	1.00	3.33
11	1.00	3.33
12	1.00	3.33
13	1.00	3.33
14	1.00	3.33
15	1.00	3.33
16	1.00	3.33
17	1.00	3.33

	MD @ KB M	VD @ KB M	VD @ SRD M	E-W COORD M	N-S COORD M
1	439.00	439.02	418.02	.01	-.01
2	574.97	575.00	554.00	.01	-.01
3	1000.00	1000.05	979.05	.02	-.02
4	1245.00	1245.07	1224.07	.02	-.03
5	1600.00	1600.08	1579.08	.03	-.04
6	1770.00	1770.09	1749.09	.03	-.04
7	1895.00	1895.10	1874.10	.03	-.04
8	2000.00	2000.11	1979.11	.03	-.05
9	2425.00	2421.48	2400.48	6.89	-9.02
10	2875.00	2805.43	2784.43	130.83	-171.29
11	2950.00	2866.40	2845.40	155.65	-201.85
12	3195.00	3054.46	3033.46	258.25	-316.85
13	3352.00	3177.19	3156.19	326.34	-387.20
14	3515.00	3306.19	3285.19	397.80	-456.60
15	3682.00	3440.15	3419.15	472.13	-523.03
16	3802.00	3537.05	3516.05	526.34	-568.56
17	3885.00	3604.03	3583.03	563.62	-600.37

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	439.00	418.02	.02	273.60	276.72	278.72	1500			
								135.98	73.79	1843
2	574.97	554.00	136.00	346.59	350.52	352.52	1572			
								425.05	172.49	2464
3	1000.00	979.05	561.05	518.00	523.01	525.01	1865			
								245.01	82.26	2979
4	1245.00	1224.07	806.07	600.00	605.27	607.27	2016			
								355.02	105.22	3374
5	1600.00	1579.08	1161.08	705.00	710.48	712.48	2216			
								170.01	48.07	3537
6	1770.00	1749.09	1331.09	753.00	758.55	760.55	2300			
								125.01	34.04	3672
7	1895.00	1874.10	1456.10	787.00	792.59	794.59	2359			
								105.01	28.03	3746
8	2000.00	1979.11	1561.11	815.00	820.62	822.62	2406			
								421.37	114.99	3665
9	2425.00	2400.48	1982.48	930.00	935.61	937.61	2560			
								383.95	131.72	2915
10	2875.00	2784.43	2366.43	1065.00	1065.99	1069.33	2604			
								60.97	18.00	3388
11	2950.00	2845.40	2427.40	1083.00	1083.99	1087.32	2617			
								188.06	49.66	3787
12	3195.00	3033.46	2615.46	1132.65	1133.65	1136.98	2668			
								122.73	32.75	3747
13	3352.00	3156.19	2738.19	1165.40	1166.40	1169.73	2698			
								129.00	35.76	3607
14	3515.00	3285.19	2867.19	1201.17	1202.16	1205.50	2725			
								133.96	35.91	3730
15	3682.00	3419.15	3001.15	1237.11	1238.08	1241.41	2754			
								96.89	23.19	4178
16	3802.00	3516.05	3098.05	1260.34	1261.27	1264.60	2780			
								66.99	17.48	3833
17	3885.00	3583.03	3165.03	1277.85	1278.75	1282.08	2795			

Report

Drift Computation Report

ANALYST: Z.KATELIS 2-AUG-89 15:24:08 PROGRAM: GDRIFT 007.E09

DRIFT COMPUTATION REPORT

COMPANY : ESSO AUSTRALIA LTD.
WELL : BLACKBACK #1
FIELD : WILDCAT
COUNTRY : AUSTRALIA
REFERENCE: SYJ-56460

ANALYST: Z.KATELIS 2-AUG-89 15:24:03 PROGRAM: GDRIFT 007.E09

DRIFT COMPUTATION REPORT

COMPANY : ESSO AUSTRALIA LTD.
WELL : BLACKBACK #1
FIELD : WILDCAT
COUNTRY : AUSTRALIA
REFERENCE: SYJ-56460

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
GAD001 - RAW SONIC CHANNEL NAME USED FOR WST SONIC ADJUSTMENT
UNFDEN - UNIFORM DENSITY VALUE

ZONE

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

SAMPLED

SHOT - SHOT NUMBER
DKE - 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	21.0000	M
ELEV OF SRD AB. MSL(WST)	SRD	0	M
ELEVATION OF KELLY BUSHI	EKB	21.0000	M
ELEV OF GL AB. SRD(WST)	GL	-418.000	M
TOP OF ZONE PROCD (WST)	XSTART	0	M
BOT OF ZONE PROCD (WST)	XSTOP	0	M
RAW SONIC CH NAME (WST)	GAD001	DT.ATT.003.TVD.FLP.*	
UNIFORM DENSITY VALUE	UNFDEN	2.3000	G/C3

(ZONED PARAMETERS)		(VALUE)		(LIMITS)		
LAYER OPTION FLAG DENS	LOFDEN	0		30479.7	-	0
USER SUPPLIED DENSITY DA	LAYDEN	0	G/C3	0	-	0

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	439.00	418.02	.02	278.72	278.72	0	0
2	574.97	554.00	136.00	352.52	352.52	0	0
3	1000.00	979.05	561.05	525.01	525.03	-.02	-.02
4	1245.00	1224.07	806.07	607.27	605.19	2.08	2.61
5	1600.00	1579.08	1161.08	712.48	708.33	4.16	1.79
6	1770.00	1749.09	1331.09	760.55	755.16	5.39	2.22
7	1895.00	1874.10	1456.10	794.59	787.91	6.69	3.15
8	2000.00	1979.11	1561.11	822.62	815.39	7.24	1.60
9	2425.00	2400.48	1982.48	937.61	925.84	11.77	3.28
10	2875.00	2784.43	2366.43	1069.33	1055.38	13.94	1.73
11	2950.00	2845.40	2427.40	1087.32	1073.04	14.28	1.67
12	3195.00	3033.46	2615.46	1136.98	1123.72	13.26	-1.65
13	3352.00	3156.19	2738.19	1169.73	1155.92	13.82	1.38
14	3515.00	3285.19	2867.19	1205.50	1191.46	14.03	.51
15	3682.00	3419.15	3001.15	1241.41	1226.35	15.06	2.34
16	3802.00	3516.05	3098.05	1264.60	1248.85	15.75	2.18
17	3885.00	3583.03	3165.03	1282.08	1265.08	17.00	5.68
18	3904.72	3598.96	3180.96	1285.62	1268.62	17.00	0

Sonic Adjustment Parameter Report

ANALYST: Z.KATELIS 3-AUG-89 14:08:23 PROGRAM: GADJST 003.E08

SONIC ADJUSTMENT PARAMETER REPORT

COMPANY : ESSO AUSTRALIA LTD.
WELL : BLACKBACK #1
FIELD : WILDCAT
COUNTRY : AUSTRALIA
REFERENCE: SYJ-56460

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	: 2.00C00	
CONS SONIC ADJST (WST)	CONADJ	: 7.50C00	US/F
UNIFORM EARTH VELOCITY	UNERTH	: 1500.00	M/S

(ZONED PARAMETERS)		(VALUE)		(LIMITS)	
USER DRIFT ZONE (WST)	ZDRIFT	: 16.00C00	MS	3619.96	- 2421.48
		11.80000		2421.48	1895.10
		6.700000		1895.10	1000.00
		0		1000.00	575.000
		0		575.000	439.000
		0		439.000	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	: 1843.C00	M/S	574.970	- 439.000
		1500.C00		439.000	0

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
2	439.00	418.00	0	0	0			0
3	575.00	554.00	136.00	0	0			0
4	1000.00	979.00	561.00	0	0			0
5	1895.10	1874.10	1456.10	6.70	2.28			2.28
6	2421.48	2400.48	1982.48	11.80	2.95			2.95
7	3619.96	3598.96	3180.96	16.00	1.07			1.07

ANALYST: Z.KATELIS 3-AUG-89 14:08:37 PROGRAM: GADJST 008.E08

SCHLUMBERGER

VELOCITY REPORT

COMPANY : ESSO AUSTRALIA LTD.
WELL : BLACKBACK #1
FIELD : WILDCAT
COUNTRY : AUSTRALIA
REFERENCE: SYJ-56460

ANALYST: Z.KATELIS 3-AUG-89 14:08:37 PROGRAM: GADJST 008.E08

SCHLUMBERGER

VELOCITY REPORT

COMPANY : ESSO AUSTRALIA LTD.
WELL : BLACKBACK #1
FIELD : WILDCAT
COUNTRY : AUSTRALIA
REFERENCE: SYJ-56460

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; 0=UNIFORM; 1=UNIFORM+LAYER
LAYVEL - USER SUPPLIED VELOCITY DATA

SAMPLED

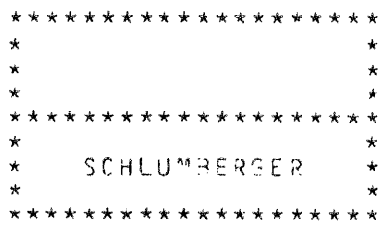
SHOT - SHOT NUMBER
DKB - MEASURED DEPTH FROM KELLY-BUSHING
DSRD - DEPTH FROM SRD
DGL - VERTICAL DEPTH RELATIVE TO GROUND LEVEL (USER'S REFERENCE)
SHTM - SHOT TIME (WST)
ADJS - ADJUSTED SONIC TRAVEL TIME
SHDR - DRIFT AT SHOT OR KNEE
REST - RESIDUAL TRAVEL TIME AT KNEE
INTV - INTERNAL VELOCITY, AVERAGE

(GLOBAL PARAMETERS)		(VALUE)	
ELEV OF KB AB. MSL (WST)	KB	21.0000	M
ELEV OF SRD AB. MSL(WST)	SRD	0	M
ELEVATION OF KELLY BUSHI	EKB	21.0000	M
ELEV OF GL AB. SRD(WST)	GL	-418.000	M
UNIFORM EARTH VELOCITY	UNERTH	1500.00	M/S

(ZONED PARAMETERS)		(VALUE)		(LIMITS)	
LAYER OPTION FLAG VELOC	LOFVEL	1.000000		30479.7	- 0
USER VELOC (WST)	LAYVEL	1843.000	M/S	574.970	- 439.000
		1500.000		439.000	0

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
								1500
1	439.00	418.02	.02	278.72	278.72	0	0	
								1843
2	574.97	554.00	136.00	352.52	352.52	0	0	
								2464
3	1000.00	979.05	561.05	525.01	525.03	-.02	-.02	
								2988
4	1245.00	1224.07	806.07	607.27	607.02	2.08	.25	
								3356
5	1600.00	1579.08	1161.08	712.48	712.81	4.16	-.33	
								3534
6	1770.00	1749.09	1331.09	760.55	760.91	5.39	-.36	
								3711
7	1895.00	1874.10	1456.10	794.59	794.60	6.69	-.01	
								3685
8	2000.00	1979.11	1561.11	822.62	823.09	7.24	-.47	
								3679
9	2425.00	2400.48	1982.48	937.61	937.63	11.77	-.02	
								2933
10	2875.00	2784.43	2366.43	1069.33	1068.52	13.94	.81	
								3411
11	2950.00	2845.40	2427.40	1087.32	1086.39	14.28	.93	
								3664
12	3195.00	3033.46	2615.46	1136.98	1137.73	13.26	-.75	
								3761
13	3352.00	3156.19	2738.19	1169.73	1170.36	13.82	-.63	
								3584
14	3515.00	3285.19	2867.19	1205.50	1206.36	14.03	-.86	
								3790
15	3682.00	3419.15	3001.15	1241.41	1241.71	15.06	-.30	
								4242
16	3802.00	3516.05	3098.05	1264.60	1264.55	15.75	.05	
								4069
17	3885.00	3583.03	3165.03	1282.08	1281.01	17.00	1.07	
								4436
18	3904.72	3598.96	3180.96	1285.62	1284.60	17.00	1.02	

ANALYST: Z.KATELIS 3-AUG-89 14:24:39 PROGRAM: GTREPM 001.012



TIME CONVERTED VELOCITY REPORT

COMPANY : ESSO AUSTRALIA LTD.

WELL : BLACKBACK #1

FIELD : WILDCAT

COUNTRY : AUSTRALIA

REFERENCE: SYJ-56460

ANALYST: Z.KATELIS   3-AUG-82 14:24:29   PROGRAM: STREAM 001.312

```
*******************
*                 *
*                 *
*                 *
*******************
*                 *
*   SCHLUMBERGER  *
*                 *
*******************
```

TIME CONVERTED VELOCITY REPORT

COMPANY   : ESSO AUSTRALIA LTD.

WELL   : BLACKBACK #1

FIELD   : WILDCAT

COUNTRY   : AUSTRALIA

REFERENCE: SYJ-56460

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

TWCT - 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	:	21.0000	M
ELEV OF SRD AB. MSL(WST)	SRD	:	0	M
ELEV OF GL AB. SRD(WST)	GL	:	-418.000	M
UNIFORM EARTH VELOCITY	UNERTH	:	1500.00	M/S
UNIFORM DENSITY VALUE	UNFDEN	:	2.30000	G/C3

(MATRIX PARAMETERS)

	MVOUT DIST M
1	1000.0
2	1500.0
3	2000.0

(ZONED PARAMETERS)		(VALUE)		(LIMITS)		
LAYER OPTION FLAG VELOC	LOFVEL	: 1.000000		30479.7	=	0
USER VELOC (UST)	LAYVEL	: 1943.000	M/S	574.970	=	439.000
		1500.000		439.000	=	0
LAYER OPTION FLAG DENS	LOFDEN	: -1.000000		30479.7	=	0
USER SUPPLIED DENSITY DA	LAYDEN	: 0	G/C3	0	=	0

TWO-WAY TRAVEL TIME FROM SRD MS	MEASURED DEPTH FROM KB M	VERTICAL DEPTH FROM SRD M	AVERAGE VELOCITY SRD/GPD M/S	RMS VELOCITY M/S	FIRST NORMAL MOVEOUT MS	SECOND NORMAL MOVEOUT MS	THIRD NORMAL MOVEOUT MS	INTERVAL VELOCITY M/S
0	21.00	0						1500
2.00	22.50	1.50	1500	1500	664.67	993.00	1331.35	1500
4.00	24.00	3.00	1500	1500	662.63	990.01	1329.34	1500
6.00	25.50	4.50	1500	1500	660.69	987.02	1327.35	1500
8.00	27.00	6.00	1500	1500	658.71	985.03	1325.36	1500
10.00	28.50	7.50	1500	1500	656.74	983.05	1323.37	1500
12.00	30.00	9.00	1500	1500	654.77	981.07	1321.39	1500
14.00	31.50	10.50	1500	1500	652.81	979.10	1319.41	1500
16.00	33.00	12.00	1500	1500	650.86	977.13	1317.43	1500
18.00	34.50	13.50	1500	1500	648.91	975.16	1315.45	1500
20.00	36.00	15.00	1500	1500	646.97	973.20	1313.49	1500
22.00	37.50	16.50	1500	1500	645.03	971.24	1311.51	1500
24.00	39.00	18.00	1500	1500	643.10	969.29	1309.55	1500
26.00	40.50	19.50	1500	1500	641.17	967.34	1307.59	1500
28.00	42.00	21.00	1500	1500	639.25	965.39	1305.63	1500
30.00	43.50	22.50	1500	1500	637.34	963.45	1303.67	1500
32.00	45.00	24.00	1500	1500	635.43	961.51	1301.72	1500
34.00	46.50	25.50	1500	1500	633.53	959.58	1299.77	1500
36.00	48.00	27.00	1500	1500	631.64	957.65	1297.82	1500
38.00	49.50	28.50	1500	1500	629.75	955.72	1295.87	1500
40.00	51.00	30.00	1500	1500	627.87	953.80	1293.93	1500
42.00	52.50	31.50	1500	1500	625.99	951.88	1291.99	1500
44.00	54.00	33.00	1500	1500	624.12	949.97	1290.06	1500
46.00	55.50	34.50	1500	1500	622.25	948.06	1288.13	

TWO-WAY TRAVEL TIME FROM SRD MS	MEASURED DEPTH FROM RT A	VERTICAL DEPTH FROM SRD M	AVERAGE VELOCITY SRD/SEC M/S	RMS VELOCITY M/S	FIRST NORMAL MOVEOUT MS	SECOND NORMAL MOVEOUT MS	THIRD NORMAL MOVEOUT MS	INTERVAL VELOCITY M/S
48.00	57.00	36.00	1500	1500	620.39	953.15	1286.20	1500
50.00	59.50	37.50	1500	1500	618.54	951.25	1284.27	1500
52.00	62.00	39.00	1500	1500	616.69	949.35	1282.35	1500
54.00	64.50	40.50	1500	1500	614.85	947.46	1280.43	1500
56.00	67.00	42.00	1500	1500	613.01	945.57	1278.51	1500
58.00	69.50	43.50	1500	1500	611.18	943.69	1276.59	1500
60.00	72.00	45.00	1500	1500	609.36	941.80	1274.68	1500
62.00	74.50	46.50	1500	1500	607.54	939.92	1272.77	1500
64.00	77.00	48.00	1500	1500	605.73	938.05	1270.87	1500
66.00	79.50	49.50	1500	1500	603.93	936.18	1268.97	1500
68.00	82.00	51.00	1500	1500	602.13	934.31	1267.07	1500
70.00	84.50	52.50	1500	1500	600.33	932.45	1265.17	1500
72.00	87.00	54.00	1500	1500	598.54	930.59	1263.28	1500
74.00	89.50	55.50	1500	1500	596.76	928.73	1261.39	1500
76.00	92.00	57.00	1500	1500	594.98	926.88	1259.50	1500
78.00	94.50	58.50	1500	1500	593.21	925.04	1257.61	1500
80.00	97.00	60.00	1500	1500	591.45	923.19	1255.73	1500
82.00	99.50	61.50	1500	1500	589.69	921.36	1253.85	1500
84.00	102.00	63.00	1500	1500	587.94	919.52	1251.98	1500
86.00	104.50	64.50	1500	1500	586.19	917.69	1250.10	1500
88.00	107.00	66.00	1500	1500	584.45	915.86	1248.23	1500
90.00	109.50	67.50	1500	1500	582.71	914.04	1246.37	1500
92.00	112.00	69.00	1500	1500	580.98	912.22	1244.50	1500
94.00	114.50	70.50	1500	1500	579.26	910.41	1242.64	

TWO-WAY TRAVEL TIME FROM SRD MS	MEASURED DEPTH FROM KB M	VERTICAL DEPTH FROM SRD M	AVERAGE VELOCITY SRD/SEA M/S	RMS VELOCITY M/S	FIRST NORMAL MOVEOUT MS	SECOND NORMAL MOVEOUT MS	THIRD NORMAL MOVEOUT MS	INTERVAL VELOCITY M/S
96.00	97.00	72.00	1500	1500	577.54	903.60	1240.78	1500
98.00	94.50	73.50	1500	1500	575.83	906.79	1238.93	1500
100.00	95.99	75.00	1500	1500	574.12	904.99	1237.08	1500
102.00	97.49	76.50	1500	1500	572.42	903.19	1235.23	1500
104.00	98.99	78.00	1500	1500	570.73	901.39	1233.38	1500
106.00	100.49	79.50	1500	1500	569.04	899.60	1231.54	1500
108.00	101.99	81.00	1500	1500	567.36	897.82	1229.70	1500
110.00	103.49	82.50	1500	1500	565.68	896.03	1227.86	1500
112.00	104.99	84.00	1500	1500	564.01	894.25	1226.03	1500
114.00	106.49	85.50	1500	1500	562.34	892.48	1224.20	1500
116.00	107.99	87.00	1500	1500	560.68	890.71	1222.37	1500
118.00	109.49	88.50	1500	1500	559.03	888.94	1220.54	1500
120.00	110.99	90.00	1500	1500	557.38	887.17	1218.72	1500
122.00	112.49	91.50	1500	1500	555.74	885.41	1216.90	1500
124.00	113.99	93.00	1500	1500	554.10	883.66	1215.09	1500
126.00	115.49	94.50	1500	1500	552.47	881.91	1213.27	1500
128.00	116.99	96.00	1500	1500	550.84	880.16	1211.46	1500
130.00	118.49	97.50	1500	1500	549.22	878.41	1209.66	1500
132.00	119.99	99.00	1500	1500	547.61	876.67	1207.85	1500
134.00	121.49	100.50	1500	1500	546.00	874.94	1206.05	1500
136.00	122.99	102.00	1500	1500	544.40	873.21	1204.25	1500
138.00	124.49	103.50	1500	1500	542.80	871.48	1202.46	1500
140.00	125.99	105.00	1500	1500	541.21	869.75	1200.66	1500
142.00	127.49	106.50	1500	1500	539.62	868.03	1198.87	

TWO-WAY TRAVEL TIME FROM SRD MS	MEASURED DEPTH FROM KB M	VERTICAL DEPTH FROM SRD M	AVERAGE VELOCITY SRD/SEA M/S	RMS VELOCITY M/S	FIRST NORMAL MOVEOUT MS	SECOND NORMAL MOVEOUT MS	THIRD NORMAL MOVEOUT MS	INTERVAL VELOCITY M/S
144.00	128.99	108.00	1500	1500	533.04	866.31	1197.09	1500
146.00	130.49	109.50	1500	1500	536.47	864.60	1195.39	1500
148.00	131.99	111.00	1500	1500	534.90	862.89	1193.68	1500
150.00	133.49	112.50	1500	1500	533.33	861.19	1191.74	1500
152.00	134.99	114.00	1500	1500	531.76	859.49	1189.97	1500
154.00	136.49	115.50	1500	1500	530.22	857.79	1188.20	1500
156.00	137.99	117.00	1500	1500	528.68	856.09	1186.43	1500
158.00	139.49	118.50	1500	1500	527.13	854.40	1184.66	1500
160.00	140.99	120.00	1500	1500	525.60	852.72	1182.90	1500
162.00	142.49	121.50	1500	1500	524.07	851.04	1181.14	1500
164.00	143.99	123.00	1500	1500	522.54	849.36	1179.38	1500
166.00	145.49	124.50	1500	1500	521.02	847.68	1177.63	1500
168.00	146.99	126.00	1500	1500	519.51	846.01	1175.88	1500
170.00	148.49	127.50	1500	1500	518.00	844.35	1174.13	1500
172.00	149.99	129.00	1500	1500	516.50	842.68	1172.38	1500
174.00	151.49	130.50	1500	1500	515.00	841.03	1170.64	1500
176.00	152.99	132.00	1500	1500	513.51	839.37	1168.90	1500
178.00	154.49	133.50	1500	1500	512.02	837.72	1167.16	1500
180.00	155.99	135.00	1500	1500	510.54	836.07	1165.43	1500
182.00	157.49	136.50	1500	1500	509.06	834.43	1163.70	1500
184.00	158.99	138.00	1500	1500	507.59	832.79	1161.97	1500
186.00	160.49	139.50	1500	1500	506.13	831.15	1160.24	1500
188.00	161.99	141.00	1500	1500	504.67	829.52	1158.52	1500
190.00	163.49	142.50	1500	1500	503.21	827.89	1156.80	

TWO-WAY TRAVEL TIME FROM SRD MS	MEASURED DEPTH FROM KB M	VERTICAL DEPTH FROM SRD M	AVERAGE VELOCITY SRD/SEA M/S	RMS VELOCITY M/S	FIRST NORMAL MOVEOUT MS	SECOND NORMAL MOVEOUT MS	THIRD NORMAL MOVEOUT MS	INTERVAL VELOCITY M/S
192.00	164.99	144.00	1500	1500	501.76	826.27	1155.09	1500
194.00	166.49	145.50	1500	1500	500.32	824.64	1153.37	1500
196.00	167.99	147.00	1500	1500	498.88	823.03	1151.66	1500
198.00	169.49	148.50	1500	1500	497.45	821.41	1149.95	1500
200.00	170.99	150.00	1500	1500	496.02	819.80	1148.25	1500
202.00	172.49	151.50	1500	1500	494.60	818.20	1146.55	1500
204.00	173.99	153.00	1500	1500	493.18	816.60	1144.85	1500
206.00	175.49	154.50	1500	1500	491.77	815.00	1143.15	1500
208.00	176.99	156.00	1500	1500	490.36	813.40	1141.46	1500
210.00	178.49	157.50	1500	1500	488.96	811.81	1139.77	1500
212.00	179.99	159.00	1500	1500	487.56	810.22	1138.08	1500
214.00	181.49	160.50	1500	1500	486.17	808.64	1136.40	1500
216.00	182.99	162.00	1500	1500	484.79	807.06	1134.72	1500
218.00	184.49	163.50	1500	1500	483.40	805.49	1133.04	1500
220.00	185.99	165.00	1500	1500	482.03	803.91	1131.36	1500
222.00	187.49	166.50	1500	1500	480.66	802.35	1129.69	1500
224.00	188.99	168.00	1500	1500	479.29	800.78	1128.02	1500
226.00	190.49	169.50	1500	1500	477.93	799.22	1126.35	1500
228.00	191.99	171.00	1500	1500	476.58	797.66	1124.69	1500
230.00	193.49	172.50	1500	1500	475.23	796.11	1123.03	1500
232.00	194.99	174.00	1500	1500	473.88	794.56	1121.37	1500
234.00	196.49	175.50	1500	1500	472.54	793.01	1119.71	1500
236.00	197.99	177.00	1500	1500	471.21	791.47	1118.06	1500
238.00	199.49	178.50	1500	1500	469.88	789.93	1116.41	

TWO-WAY TRAVEL TIME FROM SRD MS	MEASURED DEPTH FROM KB M	VERTICAL DEPTH FROM SRD M	AVERAGE VELOCITY SRD/SEC M/S	RMS VELOCITY M/S	FIRST NORMAL MOVEOUT MS	SECOND NORMAL MOVEOUT MS	THIRD NORMAL MOVEOUT MS	INTERVAL VELOCITY M/S
240.00	200.99	180.00	1500	1500	468.55	738.40	1114.76	1500
242.00	202.49	181.50	1500	1500	467.25	736.97	1113.12	1500
244.00	203.99	183.00	1500	1500	465.92	735.34	1111.49	1500
246.00	205.49	184.50	1500	1500	464.61	733.81	1109.84	1500
248.00	206.99	186.00	1500	1500	463.30	732.29	1108.20	1500
250.00	208.49	187.50	1500	1500	462.00	730.73	1106.57	1500
252.00	209.99	189.00	1500	1500	460.71	729.26	1104.94	1500
254.00	211.49	190.50	1500	1500	459.41	727.75	1103.31	1500
256.00	212.99	192.00	1500	1500	458.13	726.25	1101.69	1500
258.00	214.49	193.50	1500	1500	456.85	724.75	1100.07	1500
260.00	215.99	195.00	1500	1500	455.57	723.25	1098.45	1500
262.00	217.49	196.50	1500	1500	454.30	721.75	1096.83	1500
264.00	218.99	198.00	1500	1500	453.04	720.26	1095.22	1500
266.00	220.49	199.50	1500	1500	451.77	718.77	1093.61	1500
268.00	221.99	201.00	1500	1500	450.52	717.29	1092.00	1500
270.00	223.49	202.50	1500	1500	449.27	715.81	1090.40	1500
272.00	224.99	204.00	1500	1500	448.02	714.33	1088.79	1500
274.00	226.49	205.50	1500	1500	446.78	712.86	1087.20	1500
276.00	227.99	207.00	1500	1500	445.54	711.39	1085.60	1500
278.00	229.49	208.50	1500	1500	444.31	709.92	1084.01	1500
280.00	230.99	210.00	1500	1500	443.08	708.46	1082.42	1500
282.00	232.49	211.50	1500	1500	441.86	707.00	1080.83	1500
284.00	233.99	213.00	1500	1500	440.64	705.55	1079.24	1500
286.00	235.49	214.50	1500	1500	439.42	704.09	1077.66	

TWO-WAY TRAVEL TIME FROM SRD MS	MEASURED DEPTH FROM KB M	VERTICAL DEPTH FROM SRD M	AVERAGE VELOCITY SRD/SFD M/S	RMS VELOCITY M/S	FIRST NORMAL MOVEOUT MS	SECOND NORMAL MOVEOUT MS	THIRD NORMAL MOVEOUT MS	INTERVAL VELOCITY M/S
288.00	236.99	216.00	1500	1500	439.22	752.65	1076.09	1500
290.00	238.49	217.50	1500	1500	437.01	751.20	1074.51	1500
292.00	239.99	219.00	1500	1500	435.81	749.76	1072.93	1500
294.00	241.49	220.50	1500	1500	434.62	748.32	1071.36	1500
296.00	242.99	222.00	1500	1500	433.42	746.89	1069.79	1500
298.00	244.49	223.50	1500	1500	432.24	745.46	1068.23	1500
300.00	245.99	225.00	1500	1500	431.06	744.03	1066.67	1500
302.00	247.49	226.50	1500	1500	429.88	742.61	1065.11	1500
304.00	248.99	228.00	1500	1500	428.71	741.19	1063.55	1500
306.00	250.49	229.50	1500	1500	427.54	739.77	1062.00	1500
308.00	251.99	231.00	1500	1500	426.38	738.36	1060.45	1500
310.00	253.49	232.50	1500	1500	425.22	736.95	1058.90	1500
312.00	254.99	234.00	1500	1500	424.06	735.54	1057.35	1500
314.00	256.49	235.50	1500	1500	422.91	734.14	1055.81	1500
316.00	257.99	237.00	1500	1500	421.77	732.74	1054.27	1500
318.00	259.49	238.50	1500	1500	420.63	731.34	1052.73	1500
320.00	260.99	240.00	1500	1500	419.49	729.95	1051.20	1500
322.00	262.49	241.50	1500	1500	418.36	728.56	1049.66	1500
324.00	263.99	243.00	1500	1500	417.23	727.18	1048.13	1500
326.00	265.49	244.50	1500	1500	416.11	725.80	1046.61	1500
328.00	266.99	246.00	1500	1500	414.99	724.42	1045.08	1500
330.00	268.49	247.50	1500	1500	413.87	723.04	1043.56	1500
332.00	269.99	249.00	1500	1500	412.76	721.67	1042.05	1500
334.00	271.49	250.50	1500	1500	411.65	720.30	1040.53	

TWO-WAY TRAVEL TIME FROM SRD MS	MEASURED DEPTH FROM KB M	VERTICAL DEPTH FROM SRD M	AVERAGE VELOCITY SRD/SFD M/S	RMS VELOCITY M/S	FIRST NORMAL MOVEOUT MS	SECOND NORMAL MOVEOUT MS	THIRD NORMAL MOVEOUT MS	INTERVAL VELOCITY M/S
336.00	272.99	252.00	1500	1500	410.55	718.94	1039.02	1500
338.00	274.49	253.50	1500	1500	409.45	717.58	1037.51	1500
340.00	275.99	255.00	1500	1500	408.36	716.22	1036.00	1500
342.00	277.49	256.50	1500	1500	407.27	714.87	1034.50	1500
344.00	278.99	258.00	1500	1500	406.19	713.51	1032.99	1500
346.00	280.49	259.50	1500	1500	405.11	712.17	1031.50	1500
348.00	281.99	261.00	1500	1500	404.03	710.82	1030.00	1500
350.00	283.49	262.50	1500	1500	402.96	709.48	1028.51	1500
352.00	284.98	264.00	1500	1500	401.89	708.14	1027.01	1500
354.00	286.48	265.50	1500	1500	400.82	706.81	1025.53	1500
356.00	287.98	267.00	1500	1500	399.76	705.48	1024.04	1500
358.00	289.48	268.50	1500	1500	398.71	704.15	1022.56	1500
360.00	290.98	270.00	1500	1500	397.66	702.83	1021.08	1500
362.00	292.48	271.50	1500	1500	396.61	701.51	1019.60	1500
364.00	293.98	273.00	1500	1500	395.57	700.19	1018.13	1500
366.00	295.48	274.50	1500	1500	394.53	698.87	1016.65	1500
368.00	296.98	276.00	1500	1500	393.49	697.56	1015.19	1500
370.00	298.48	277.50	1500	1500	392.46	696.26	1013.72	1500
372.00	299.93	279.00	1500	1500	391.43	694.95	1012.25	1500
374.00	301.48	280.50	1500	1500	390.41	693.65	1010.79	1500
376.00	302.98	282.00	1500	1500	389.39	692.35	1009.34	1500
378.00	304.48	283.50	1500	1500	388.37	691.06	1007.88	1500
380.00	305.98	285.00	1500	1500	387.36	689.77	1006.43	1500
382.00	307.48	286.50	1500	1500	386.35	688.48	1004.98	

TWO-WAY TRAVEL TIME FROM SRD MS	MEASURED DEPTH FROM KB M	VERTICAL DEPTH FROM SRD M	AVERAGE VELOCITY SRD/GFD M/S	RMS VELOCITY M/S	FIRST NORMAL MOVEOUT MS	SECOND NORMAL MOVEOUT MS	THIRD NORMAL MOVEOUT MS	INTERVAL VELOCITY M/S
384.00	308.98	288.00	1500	1500	365.39	687.19	1003.53	1500
386.00	310.48	289.50	1500	1500	364.35	685.91	1002.09	1500
388.00	311.99	291.00	1500	1500	363.35	684.63	1000.64	1500
390.00	313.48	292.50	1500	1500	362.36	683.36	999.20	1500
392.00	314.98	294.00	1500	1500	361.37	682.09	997.76	1500
394.00	316.48	295.50	1500	1500	360.39	680.82	996.33	1500
396.00	317.98	297.00	1500	1500	359.41	679.55	994.90	1500
398.00	319.48	298.50	1500	1500	358.43	678.29	993.47	1500
400.00	320.98	300.00	1500	1500	357.46	677.03	992.04	1500
402.00	322.48	301.50	1500	1500	356.49	675.78	990.62	1500
404.00	323.98	303.00	1500	1500	355.53	674.52	989.20	1500
406.00	325.48	304.50	1500	1500	354.56	673.28	987.78	1500
408.00	326.98	306.00	1500	1500	353.61	672.03	986.36	1500
410.00	328.48	307.50	1500	1500	352.65	670.79	984.95	1500
412.00	329.98	309.00	1500	1500	351.70	669.55	983.54	1500
414.00	331.48	310.50	1500	1500	350.75	668.31	982.13	1500
416.00	332.98	312.00	1500	1500	349.81	667.08	980.72	1500
418.00	334.48	313.50	1500	1500	348.87	665.85	979.32	1500
420.00	335.98	315.00	1500	1500	347.94	664.62	977.92	1500
422.00	337.48	316.50	1500	1500	347.00	663.40	976.52	1500
424.00	338.98	318.00	1500	1500	346.08	662.17	975.13	1500
426.00	340.48	319.50	1500	1500	345.15	660.96	973.73	1500
428.00	341.98	321.00	1500	1500	344.23	659.74	972.34	1500
430.00	343.48	322.50	1500	1500	343.31	658.53	970.96	

TWO-WAY TRAVEL TIME FROM SRD MS	MEASURED DEPTH FROM KB M	VERTICAL DEPTH FROM SRD M	AVERAGE VELOCITY SRD/MSL M/S	RMS VELOCITY M/S	FIRST NORMAL MOVEOUT MS	SECOND NORMAL MOVEOUT MS	THIRD NORMAL MOVEOUT MS	INTERVAL VELOCITY M/S
432.00	344.98	324.00	1500	1500	362.45	657.32	969.57	1500
434.00	346.48	325.50	1500	1500	361.49	656.12	968.19	1500
436.00	347.98	327.00	1500	1500	360.53	654.92	966.81	1500
438.00	349.48	328.50	1500	1500	359.68	653.72	965.43	1500
440.00	350.98	330.00	1500	1500	358.78	652.52	964.06	1500
442.00	352.48	331.50	1500	1500	357.83	651.33	962.69	1500
444.00	353.98	333.00	1500	1500	356.99	650.14	961.32	1500
446.00	355.48	334.50	1500	1500	356.10	648.95	959.95	1500
448.00	356.98	336.00	1500	1500	355.21	647.77	958.59	1500
450.00	358.48	337.50	1500	1500	354.33	646.59	957.22	1500
452.00	359.98	339.00	1500	1500	353.45	645.41	955.86	1500
454.00	361.48	340.50	1500	1500	352.57	644.23	954.51	1500
456.00	362.98	342.00	1500	1500	351.70	643.06	953.15	1500
458.00	364.48	343.50	1500	1500	350.83	641.89	951.80	1500
460.00	365.98	345.00	1500	1500	349.97	640.73	950.45	1500
462.00	367.48	346.50	1500	1500	349.10	639.56	949.11	1500
464.00	368.98	348.00	1500	1500	348.24	638.40	947.76	1500
466.00	370.48	349.50	1500	1500	347.39	637.25	946.42	1500
468.00	371.98	351.00	1500	1500	346.54	636.09	945.08	1500
470.00	373.48	352.50	1500	1500	345.69	634.94	943.75	1500
472.00	374.98	354.00	1500	1500	344.84	633.80	942.41	1500
474.00	376.48	355.50	1500	1500	344.00	632.65	941.08	1500
476.00	377.98	357.00	1500	1500	343.16	631.51	939.75	1500
478.00	379.48	358.50	1500	1500	342.32	630.37	938.43	

TWO-WAY TRAVEL TIME FROM SRD MS	MEASURED DEPTH FROM KB M	VERTICAL DEPTH FROM SRD M	AVERAGE VELOCITY SRD/GRD M/S	RMS VELOCITY M/S	FIRST NORMAL MOVEOUT MS	SECOND NORMAL MOVEOUT MS	THIRD NORMAL MOVEOUT MS	INTERVAL VELOCITY M/S
480.00	380.98	360.00	1500	1500	341.49	629.23	937.10	1500
482.00	382.48	361.50	1500	1500	340.66	628.10	935.78	1500
484.00	383.98	363.00	1500	1500	339.83	626.97	934.46	1500
486.00	385.48	364.50	1500	1500	339.01	625.84	933.15	1500
488.00	386.98	366.00	1500	1500	338.19	624.72	931.83	1500
490.00	388.48	367.50	1500	1500	337.37	623.60	930.52	1500
492.00	389.98	369.00	1500	1500	336.56	622.48	929.21	1500
494.00	391.48	370.50	1500	1500	335.75	621.36	927.90	1500
496.00	392.98	372.00	1500	1500	334.94	620.25	926.60	1500
498.00	394.48	373.50	1500	1500	334.13	619.14	925.30	1500
500.00	395.98	375.00	1500	1500	333.33	618.03	924.00	1500
502.00	397.48	376.50	1500	1500	332.53	616.93	922.70	1500
504.00	398.98	378.00	1500	1500	331.74	615.83	921.41	1500
506.00	400.48	379.50	1500	1500	330.95	614.73	920.12	1500
508.00	401.98	381.00	1500	1500	330.16	613.63	918.83	1500
510.00	403.48	382.50	1500	1500	329.37	612.54	917.54	1500
512.00	404.98	384.00	1500	1500	328.59	611.45	916.26	1500
514.00	406.48	385.50	1500	1500	327.81	610.36	914.98	1500
516.00	407.98	387.00	1500	1500	327.03	609.28	913.70	1500
518.00	409.48	388.50	1500	1500	326.26	608.20	912.42	1500
520.00	410.98	390.00	1500	1500	325.48	607.12	911.15	1500
522.00	412.48	391.50	1500	1500	324.72	606.04	909.87	1500
524.00	413.98	393.00	1500	1500	323.95	604.97	908.60	1500
526.00	415.48	394.50	1500	1500	323.19	603.90	907.34	

TWO-WAY TRAVEL TIME FROM SRD MS	MEASURED DEPTH FROM KB M	VERTICAL DEPTH FROM SRD M	AVERAGE VELOCITY SPD/SED M/S	RMS VELOCITY M/S	FIRST NORMAL MOVEOUT MS	SECOND NORMAL MOVEOUT MS	THIRD NORMAL MOVEOUT MS	INTERVAL VELOCITY M/S
528.00	416.99	396.00	1500	1500	322.43	602.53	906.27	1500
530.00	418.48	397.50	1500	1500	321.67	601.77	904.91	1500
532.00	419.98	399.00	1500	1500	320.92	600.71	903.55	1500
534.00	421.48	400.50	1500	1500	320.17	599.65	902.29	1500
536.00	422.98	402.00	1500	1500	319.42	598.59	901.04	1500
538.00	424.48	403.50	1500	1500	318.67	597.54	899.78	1500
540.00	425.98	405.00	1500	1500	317.93	596.49	898.53	1500
542.00	427.48	406.50	1500	1500	317.19	595.44	897.29	1500
544.00	428.98	408.00	1500	1500	316.45	594.39	896.04	1500
546.00	430.48	409.50	1500	1500	315.72	593.35	894.80	1500
548.00	431.98	411.00	1500	1500	314.99	592.31	893.56	1500
550.00	433.48	412.50	1500	1500	314.26	591.27	892.32	1500
552.00	434.99	414.00	1500	1500	313.53	590.24	891.08	1500
554.00	436.48	415.50	1500	1500	312.81	589.20	889.85	1500
556.00	437.98	417.00	1500	1500	312.09	588.17	888.62	1641
558.00	439.62	418.64	1501	1501	311.19	586.84	886.95	1843
560.00	441.46	420.48	1502	1502	310.01	585.03	884.61	1843
562.00	443.30	422.33	1503	1503	308.85	583.22	882.29	1843
564.00	445.15	424.17	1504	1505	307.69	581.43	879.98	1843
566.00	446.99	426.01	1505	1506	306.54	579.65	877.68	1843
568.00	448.83	427.85	1507	1507	305.39	577.89	875.40	1843
570.00	450.67	429.70	1508	1509	304.26	576.13	873.13	1843
572.00	452.52	431.54	1509	1510	303.13	574.39	870.88	1843
574.00	454.36	433.38	1510	1511	302.02	572.65	868.63	

TWO-WAY TRAVEL TIME FROM SRD MS	MEASURED DEPTH FROM KB M	VERTICAL DEPTH FROM SRD M	AVERAGE VELOCITY SRD/SEC M/S	RMS VELOCITY M/S	FIRST NORMAL MOVEOUT MS	SECOND NORMAL MOVEOUT MS	THIRD NORMAL MOVEOUT MS	INTERVAL VELOCITY M/S
								1843
576.00	456.20	435.23	1511	1512	300.91	570.93	866.41	1843
578.00	458.04	437.07	1512	1514	299.81	569.22	864.19	1843
580.00	459.89	438.91	1513	1515	298.71	567.52	861.99	1843
582.00	461.73	440.75	1513	1516	297.63	565.83	859.80	1843
584.00	463.57	442.60	1516	1517	296.55	564.15	857.63	1843
586.00	465.41	444.44	1517	1519	295.48	562.48	855.46	1843
588.00	467.26	446.28	1518	1520	294.41	560.82	853.31	1843
590.00	469.10	448.12	1519	1521	293.36	559.17	851.18	1843
592.00	470.94	449.97	1520	1522	292.31	557.53	849.05	1843
594.00	472.78	451.81	1521	1523	291.27	555.91	846.94	1843
596.00	474.63	453.65	1522	1525	290.24	554.29	844.83	1843
598.00	476.47	455.49	1523	1526	289.21	552.68	842.75	1843
600.00	478.31	457.34	1524	1527	288.19	551.08	840.67	1843
602.00	480.15	459.18	1526	1528	287.18	549.49	838.60	1843
604.00	482.00	461.02	1527	1529	286.17	547.91	836.55	1843
606.00	483.84	462.86	1528	1530	285.17	546.34	834.50	1843
608.00	485.68	464.71	1529	1532	284.18	544.77	832.47	1843
610.00	487.52	466.55	1530	1533	283.19	543.22	830.45	1843
612.00	489.37	468.39	1531	1534	282.22	541.68	828.44	1843
614.00	491.21	470.24	1532	1535	281.24	540.14	826.44	1843
616.00	493.05	472.08	1533	1536	280.28	538.62	824.45	1843
618.00	494.89	473.92	1534	1537	279.32	537.10	822.47	1843
620.00	496.74	475.76	1535	1538	278.37	535.59	820.50	1843
622.00	498.58	477.61	1536	1539	277.42	534.09	818.54	

TWO-WAY TRAVEL TIME FROM SRD MS	MEASURED DEPTH FROM KB M	VERTICAL DEPTH FROM SRD M	AVERAGE VELOCITY SRD/CRO M/S	RMS VELOCITY M/S	FIRST NORMAL MOVEOUT MS	SECOND NORMAL MOVEOUT MS	THIRD NORMAL MOVEOUT MS	INTERVAL VELOCITY M/S
624.00	500.42	479.46	1537	1540	276.48	532.60	816.60	1843
626.00	502.26	481.29	1538	1541	275.54	531.11	814.66	1843
628.00	504.11	483.13	1539	1542	274.62	529.64	812.73	1843
630.00	505.95	484.98	1540	1543	273.69	528.17	810.81	1843
632.00	507.79	486.82	1541	1545	272.78	526.71	808.91	1843
634.00	509.63	488.66	1542	1546	271.87	525.26	807.01	1843
636.00	511.48	490.50	1542	1547	270.96	523.82	805.12	1843
638.00	513.32	492.35	1543	1548	270.06	522.39	803.24	1843
640.00	515.16	494.19	1544	1549	269.17	520.96	801.38	1843
642.00	517.00	496.03	1545	1550	268.28	519.54	799.52	1843
644.00	518.85	497.87	1546	1551	267.40	518.13	797.67	1843
646.00	520.69	499.72	1547	1552	266.53	516.73	795.83	1843
648.00	522.53	501.56	1548	1553	265.66	515.33	794.00	1843
650.00	524.37	503.40	1549	1554	264.79	513.94	792.17	1843
652.00	526.22	505.25	1550	1555	263.93	512.56	790.36	1843
654.00	528.06	507.09	1551	1555	263.08	511.19	788.56	1843
656.00	529.90	508.93	1552	1556	262.23	509.82	786.76	1843
658.00	531.75	510.77	1553	1557	261.38	508.47	784.97	1843
660.00	533.59	512.62	1553	1558	260.54	507.11	783.19	1843
662.00	535.43	514.46	1554	1559	259.71	505.77	781.42	1843
664.00	537.27	516.30	1555	1560	258.88	504.43	779.66	1843
666.00	539.12	518.14	1556	1561	258.06	503.10	777.91	1843
668.00	540.96	519.99	1557	1562	257.24	501.78	776.17	1843
670.00	542.80	521.83	1558	1563	256.43	500.46	774.43	

TWO-WAY TRAVEL TIME FROM SRD MS	MEASURED DEPTH FROM KB M	VERTICAL DEPTH FROM SRD M	AVERAGE VELOCITY SRD/SRD M/S	RMS VELOCITY M/S	FIRST NORMAL MOVEOUT MS	SECOND NORMAL MOVEOUT MS	THIRD NORMAL MOVEOUT MS	INTERVAL VELOCITY M/S
672.00	544.64	523.67	1559	1564	255.62	499.15	772.70	1843
674.00	546.49	525.51	1559	1565	254.92	497.85	770.98	1843
676.00	548.33	527.36	1560	1566	254.02	496.55	769.27	1843
678.00	550.17	529.20	1561	1567	253.22	495.26	767.57	1843
680.00	552.01	531.04	1562	1567	252.44	493.98	765.87	1843
682.00	553.86	532.89	1563	1568	251.65	492.70	764.18	1843
684.00	555.70	534.73	1564	1569	250.87	491.43	762.50	1843
686.00	557.54	536.57	1564	1570	250.10	490.17	760.83	1843
688.00	559.38	538.41	1565	1571	249.33	488.91	759.16	1843
690.00	561.23	540.26	1566	1572	248.56	487.66	757.51	1843
692.00	563.07	542.10	1567	1573	247.80	486.42	755.86	1843
694.00	564.91	543.94	1568	1573	247.04	485.18	754.21	1843
696.00	566.75	545.78	1568	1574	246.29	483.95	752.58	1843
698.00	568.60	547.63	1569	1575	245.54	482.72	750.95	1843
700.00	570.44	549.47	1570	1576	244.80	481.50	749.33	1843
702.00	572.28	551.31	1571	1577	244.06	480.29	747.72	1843
704.00	574.12	553.15	1571	1578	243.32	479.08	746.11	1953
706.00	576.08	555.11	1573	1579	242.49	477.69	744.25	2046
708.00	578.12	557.15	1574	1580	241.58	476.16	742.17	2043
710.00	580.17	559.20	1575	1582	240.66	474.63	740.09	2060
712.00	582.23	561.26	1577	1583	239.75	473.09	737.99	2045
714.00	584.27	563.31	1578	1585	238.86	471.58	735.95	2029
716.00	586.30	565.33	1579	1586	237.98	470.12	733.96	2060
718.00	588.36	567.39	1580	1588	237.09	468.61	731.90	

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
								2124
720.00	590.49	569.52	1592	1599	236.14	467.00	729.70	
								2136
722.00	592.62	571.65	1594	1601	235.19	465.38	727.47	
								2085
724.00	594.71	573.74	1595	1593	234.29	463.85	725.39	
								2099
726.00	596.81	575.84	1596	1594	233.39	462.32	723.29	
								2085
728.00	598.89	577.92	1598	1596	232.50	460.82	721.24	
								2082
730.00	600.97	580.01	1599	1598	231.63	459.33	719.21	
								2120
732.00	603.09	582.12	1591	1599	230.72	457.79	717.09	
								2077
734.00	605.17	584.20	1592	1601	229.87	456.33	715.10	
								2131
736.00	607.30	586.33	1593	1602	228.97	454.80	712.98	
								2097
738.00	609.40	588.43	1595	1604	228.10	453.32	710.97	
								2082
740.00	611.48	590.51	1596	1605	227.26	451.89	709.00	
								2090
742.00	613.57	592.60	1597	1607	226.42	450.44	707.02	
								2122
744.00	615.69	594.72	1599	1609	225.55	448.96	704.98	
								2146
746.00	617.84	596.87	1600	1610	224.67	447.45	702.89	
								2171
748.00	620.01	599.04	1602	1612	223.73	445.91	700.76	
								2160
750.00	622.17	601.20	1603	1614	222.90	444.40	698.67	
								2141
752.00	624.31	603.34	1605	1615	222.05	442.92	696.64	
								2154
754.00	626.46	605.50	1606	1617	221.19	441.44	694.59	
								2141
756.00	628.60	607.64	1608	1619	220.34	439.99	692.58	
								2156
758.00	630.76	609.79	1609	1620	219.49	438.52	690.55	
								2132
760.00	632.89	611.92	1610	1622	218.67	437.10	688.59	
								2190
762.00	635.07	614.10	1612	1624	217.82	435.62	686.53	
								2162
764.00	637.23	616.27	1613	1625	216.98	434.17	684.52	
								2170
766.00	639.40	618.44	1615	1627	216.15	432.72	682.51	

TWO-WAY TRAVEL TIME FROM SRD MS	MEASURED DEPTH FROM KB M	VERTICAL DEPTH FROM SRD M	AVERAGE VELOCITY SRD/CFC M/S	RMS VELOCITY M/S	FIRST NORMAL MOVEOUT MS	SECOND NORMAL MOVEOUT MS	THIRD NORMAL MOVEOUT MS	INTERVAL VELOCITY M/S
								2196
768.00	641.60	620.63	1616	1629	215.30	431.25	680.46	2219
770.00	643.82	622.85	1618	1630	214.44	429.74	678.36	2202
772.00	646.02	625.05	1619	1632	213.59	428.28	676.32	2197
774.00	648.22	627.25	1621	1634	212.76	426.83	674.30	2210
776.00	650.43	629.46	1622	1636	211.93	425.37	672.27	2233
778.00	652.66	631.69	1624	1637	211.08	423.89	670.20	2174
780.00	654.83	633.87	1625	1639	210.29	422.50	668.27	2199
782.00	657.03	636.07	1627	1641	209.48	421.09	666.30	2261
784.00	659.29	638.33	1628	1643	208.63	419.59	664.20	2269
786.00	661.56	640.60	1630	1644	207.78	418.10	662.11	2311
788.00	663.87	642.91	1632	1646	206.90	416.55	659.93	2346
790.00	666.22	645.25	1634	1649	206.01	414.97	657.70	2315
792.00	668.53	647.57	1635	1651	205.14	413.44	655.54	2364
794.00	670.90	649.93	1637	1653	204.25	411.85	653.30	2312
796.00	673.21	652.24	1639	1655	203.40	410.35	651.19	2289
798.00	675.50	654.53	1640	1657	202.58	408.89	649.14	2255
800.00	677.75	656.79	1642	1658	201.79	407.50	647.17	2294
802.00	680.05	659.08	1644	1660	200.97	406.05	645.14	2359
804.00	682.40	661.44	1645	1662	200.12	404.53	642.98	2349
806.00	684.75	663.79	1647	1664	199.27	403.03	640.86	2427
808.00	687.13	666.22	1649	1667	198.38	401.43	638.59	2421
810.00	689.60	668.64	1651	1669	197.50	399.85	636.35	2394
812.00	691.99	671.03	1653	1671	196.65	398.33	634.19	2409
814.00	694.40	673.44	1655	1673	195.79	396.79	632.00	

TWO-WAY TRAVEL TIME FROM SRD MS	MEASURED DEPTH FROM KB M	VERTICAL DEPTH FROM SRD M	AVERAGE VELOCITY SRD/SRD M/S	RMS VELOCITY M/S	FIRST NORMAL MOVEOUT MS	SECOND NORMAL MOVEOUT MS	THIRD NORMAL MOVEOUT MS	INTERVAL VELOCITY M/S
								2372
816.00	696.73	675.81	1656	1676	194.97	395.32	629.90	
								2365
818.00	699.14	678.18	1658	1678	194.18	393.37	627.94	
								2424
820.00	701.56	680.60	1660	1680	193.31	392.35	625.63	
								2449
822.00	704.01	683.05	1662	1682	192.45	390.80	623.47	
								2410
824.00	706.42	685.46	1664	1684	191.63	389.33	621.36	
								2403
826.00	708.83	687.86	1666	1686	190.92	387.87	619.29	
								2375
828.00	711.20	690.24	1667	1688	190.03	386.46	617.23	
								2355
830.00	713.56	692.59	1669	1690	189.27	385.03	615.32	
								2299
832.00	715.85	694.89	1670	1692	188.55	383.79	613.48	
								2356
834.00	718.21	697.25	1672	1694	187.80	382.43	611.55	
								2329
836.00	720.54	699.53	1674	1696	187.07	381.12	609.63	
								2371
838.00	722.91	701.95	1675	1698	186.32	379.77	607.74	
								2314
840.00	725.22	704.26	1677	1699	185.61	378.49	605.93	
								2392
842.00	727.61	706.64	1678	1701	184.86	377.14	603.99	
								2392
844.00	730.00	709.04	1680	1703	184.12	375.79	602.05	
								2379
846.00	732.38	711.42	1682	1705	183.38	374.46	600.15	
								2353
848.00	734.74	713.77	1683	1707	182.67	373.16	598.30	
								2437
850.00	737.17	716.21	1685	1709	181.91	371.79	596.32	
								2483
852.00	739.65	718.69	1687	1711	181.13	370.36	594.27	
								2459
854.00	742.11	721.15	1689	1713	180.37	368.97	592.27	
								2491
856.00	744.59	723.63	1691	1716	179.60	367.57	590.25	
								2447
858.00	747.04	726.08	1692	1718	178.86	366.22	588.31	
								2432
860.00	749.47	728.51	1694	1720	178.13	364.90	586.40	
								2455
862.00	751.93	730.97	1696	1722	177.40	363.56	584.47	

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
864.00	754.40	733.44	1698	1724	176.66	362.20	592.52	2474
866.00	756.89	735.93	1700	1726	175.92	360.84	590.54	2492
868.00	759.45	738.49	1702	1728	175.14	359.41	588.47	2556
870.00	761.96	741.00	1703	1731	174.39	358.04	586.49	2512
872.00	764.42	743.46	1705	1733	173.69	356.75	584.62	2460
874.00	766.92	745.96	1707	1735	172.97	355.42	582.70	2494
876.00	769.42	748.46	1709	1737	172.25	354.09	580.78	2503
878.00	771.95	750.99	1711	1739	171.52	352.75	578.82	2528
880.00	774.47	753.51	1713	1741	170.80	351.42	576.90	2521
882.00	777.03	756.07	1714	1744	170.06	350.06	574.92	2561
884.00	779.65	758.69	1716	1746	169.30	348.65	572.95	2616
886.00	782.21	761.25	1718	1748	168.57	347.30	570.99	2563
888.00	784.71	763.75	1720	1750	167.89	346.04	569.06	2496
890.00	787.26	766.30	1722	1753	167.18	344.73	567.15	2553
892.00	789.75	768.79	1724	1755	166.52	343.50	565.36	2483
894.00	792.25	771.30	1725	1757	165.85	342.26	563.56	2504
896.00	794.87	773.92	1727	1759	165.12	340.90	561.57	2619
898.00	797.46	776.50	1729	1761	164.42	339.60	559.67	2583
900.00	799.93	778.98	1731	1763	163.78	338.42	557.94	2479
902.00	802.44	781.48	1733	1765	163.15	337.21	556.13	2506
904.00	804.96	784.00	1735	1767	162.48	336.00	554.41	2522
906.00	807.50	786.54	1736	1769	161.83	334.78	552.63	2536
908.00	810.02	789.06	1738	1771	161.19	333.59	550.88	2524
910.00	812.57	791.61	1740	1773	160.54	332.37	549.11	2547

TWO-WAY TRAVEL TIME FROM SRD MS	MEASURED DEPTH FROM KB M	VERTICAL DEPTH FROM SRD M	AVERAGE VELOCITY SRD/SRD M/S	RMS VELOCITY M/S	FIRST NORMAL MOVEOUT MS	SECOND NORMAL MOVEOUT MS	THIRD NORMAL MOVEOUT MS	INTERVAL VELOCITY M/S
								2599
912.00	815.17	794.21	1742	1776	159.87	331.12	537.26	2704
914.00	817.87	796.91	1744	1778	159.14	329.76	535.24	2653
916.00	820.53	799.57	1746	1781	158.45	328.46	533.35	2673
918.00	823.20	802.25	1748	1783	157.76	327.16	531.43	2623
920.00	825.93	804.97	1750	1785	157.10	325.92	529.60	2663
922.00	828.49	807.53	1752	1788	156.42	324.64	527.73	2696
924.00	831.18	810.23	1754	1790	155.73	323.35	525.91	2739
926.00	833.92	812.97	1756	1793	155.03	322.02	523.94	2686
928.00	836.61	815.65	1758	1795	154.36	320.75	521.98	2658
930.00	839.27	818.31	1760	1797	153.71	319.53	520.16	2663
932.00	841.93	820.97	1762	1800	153.06	318.30	518.36	2553
934.00	844.43	823.53	1763	1802	152.47	317.20	516.72	2579
936.00	847.06	826.10	1765	1804	151.87	316.07	515.06	2709
938.00	849.77	828.81	1767	1806	151.22	314.83	513.22	2740
940.00	852.51	831.55	1769	1809	150.55	313.57	511.35	2773
942.00	855.28	834.33	1771	1811	149.88	312.26	509.44	2332
944.00	858.11	837.16	1774	1814	149.18	310.95	507.46	2557
946.00	860.67	839.72	1775	1816	148.61	309.89	505.99	2624
948.00	863.29	842.34	1777	1818	148.03	308.78	504.24	2427
950.00	865.72	844.77	1778	1819	147.53	307.84	502.96	2616
952.00	868.34	847.38	1780	1822	146.96	306.75	501.24	2713
954.00	871.05	850.10	1782	1824	146.34	305.57	499.43	2764
956.00	873.82	852.86	1784	1826	145.70	304.36	497.63	2730
958.00	876.55	855.59	1786	1829	145.09	303.19	495.94	

TWO-WAY TRAVEL TIME FROM SRD MS	MEASURED DEPTH FROM KB M	VERTICAL DEPTH FROM SRD M	AVERAGE VELOCITY SRD/SFD M/S	RMS VELOCITY M/S	FIRST NORMAL MOVEOUT MS	SECOND NORMAL MOVEOUT MS	THIRD NORMAL MOVEOUT MS	INTERVAL VELOCITY M/S
960.00	879.32	858.36	1793	1831	144.46	302.00	494.15	2770
962.00	882.03	861.13	1790	1834	143.84	300.81	492.33	2767
964.00	884.82	863.86	1792	1836	143.24	299.67	490.67	2733
966.00	887.53	866.62	1794	1838	142.64	298.51	488.93	2760
968.00	890.41	869.46	1795	1841	142.00	297.29	487.11	2833
970.00	893.29	872.32	1799	1844	141.36	296.05	485.25	2866
972.00	896.03	875.13	1801	1846	140.75	294.88	483.50	2802
974.00	898.85	877.90	1803	1848	140.16	293.75	481.80	2773
976.00	901.64	880.68	1805	1851	139.57	292.61	480.10	2794
978.00	904.43	883.48	1807	1853	138.97	291.47	478.39	2797
980.00	907.22	886.27	1809	1856	138.39	290.35	476.71	2788
982.00	909.86	888.91	1810	1858	137.87	289.36	475.22	2640
984.00	912.52	891.57	1812	1860	137.35	288.36	473.72	2661
986.00	915.20	894.25	1814	1862	136.83	287.35	472.21	2681
988.00	917.87	896.92	1816	1864	136.31	286.36	470.72	2645
990.00	920.37	899.41	1817	1865	135.86	285.50	469.44	2499
992.00	923.11	902.16	1819	1867	135.32	284.46	467.88	2745
994.00	925.91	904.96	1821	1870	134.77	283.38	466.25	2801
996.00	928.67	907.72	1823	1872	134.23	282.35	464.70	2757
998.00	931.36	910.41	1824	1874	133.72	281.37	463.22	2697
1000.00	933.93	912.98	1826	1876	133.27	280.49	461.90	2567
1002.00	936.43	915.48	1827	1877	132.84	279.67	460.62	2496
1004.00	939.03	918.08	1829	1879	132.37	278.77	459.33	2609
1006.00	941.58	920.63	1830	1880	131.93	277.93	458.06	2545

TWO-WAY TRAVEL TIME FROM SRD MS	MEASURED DEPTH FROM KB M	VERTICAL DEPTH FROM SRD M	AVERAGE VELOCITY SRD/GRD M/S	RMS VELOCITY M/S	FIRST NORMAL MOVEOUT MS	SECOND NORMAL MOVEOUT MS	THIRD NORMAL MOVEOUT MS	INTERVAL VELOCITY M/S
1008.00	944.13	923.18	1872	1882	131.50	277.09	456.30	2545
1010.00	946.45	925.50	1873	1883	131.14	276.40	455.77	2329
1012.00	948.72	927.77	1874	1884	130.80	275.75	454.91	2266
1014.00	951.12	930.17	1875	1885	130.42	275.02	453.72	2399
1016.00	953.55	932.60	1876	1886	130.03	274.27	452.60	2431
1018.00	955.99	934.95	1877	1887	129.67	273.58	451.57	2355
1020.00	958.41	937.47	1878	1888	129.26	272.79	450.38	2510
1022.00	961.24	940.29	1880	1891	128.74	271.78	448.85	2623
1024.00	964.16	943.15	1882	1893	128.21	270.75	447.28	2865
1026.00	966.95	946.00	1884	1895	127.69	269.73	445.74	2850
1028.00	969.56	948.61	1886	1897	127.26	268.90	444.49	2606
1030.00	972.28	951.33	1887	1899	126.80	267.99	443.11	2717
1032.00	975.11	954.16	1889	1901	126.30	267.01	441.61	2836
1034.00	977.91	956.96	1891	1903	125.81	266.07	440.17	2794
1036.00	980.74	959.79	1893	1906	125.32	265.10	438.70	2833
1038.00	983.61	962.66	1895	1908	124.81	264.11	437.20	2868
1040.00	986.24	965.29	1896	1910	124.40	263.30	435.96	2630
1042.00	989.14	968.19	1898	1912	123.89	262.30	434.44	2904
1044.00	991.97	971.02	1900	1914	123.41	261.36	433.01	2830
1046.00	994.71	973.76	1902	1916	122.96	260.49	431.68	2742
1048.00	997.45	976.51	1904	1918	122.52	259.63	430.36	2743
1050.00	1000.06	979.11	1905	1920	122.12	258.85	429.19	2603
1052.00	1002.43	981.49	1906	1921	121.80	258.22	428.24	2371
1054.00	1004.84	983.90	1907	1922	121.47	257.58	427.26	2413

TWO-WAY TRAVEL TIME FROM SRD MS	MEASURED DEPTH FROM KB M	VERTICAL DEPTH FROM SRD M	AVERAGE VELOCITY SRD/GSD M/S	RMS VELOCITY M/S	FIRST NORMAL MOVEOUT MS	SECOND NORMAL MOVEOUT MS	THIRD NORMAL MOVEOUT MS	INTERVAL VELOCITY M/S
								2534
1054.00	1007.38	986.43	1866	1923	121.10	256.96	426.13	
								2634
1056.00	1010.01	989.07	1870	1925	120.70	256.09	425.00	
								2931
1060.00	1012.94	992.00	1872	1927	120.22	255.12	423.52	
								2967
1062.00	1015.91	994.96	1874	1929	119.72	254.14	422.02	
								2926
1064.00	1018.84	997.89	1876	1932	119.24	253.20	420.57	
								2878
1066.00	1021.71	1000.77	1878	1934	118.78	252.29	419.18	
								2857
1068.00	1024.57	1003.63	1879	1936	118.33	251.41	417.82	
								2826
1070.00	1027.40	1006.45	1881	1938	117.90	250.55	416.50	
								2818
1072.00	1030.22	1009.27	1883	1940	117.47	249.70	415.20	
								2845
1074.00	1033.06	1012.12	1885	1942	117.03	248.84	413.88	
								2794
1076.00	1035.85	1014.91	1886	1944	116.61	248.02	412.62	
								2815
1078.00	1038.67	1017.72	1888	1946	116.19	247.19	411.34	
								2781
1080.00	1041.45	1020.50	1890	1948	115.79	246.38	410.11	
								2840
1082.00	1044.29	1023.34	1892	1950	115.36	245.55	408.83	
								2835
1084.00	1047.12	1026.18	1893	1952	114.95	244.72	407.55	
								2807
1086.00	1049.93	1028.99	1895	1954	114.54	243.92	406.32	
								2813
1088.00	1052.74	1031.80	1897	1956	114.14	243.12	405.09	
								2859
1090.00	1055.60	1034.66	1898	1958	113.72	242.29	403.82	
								2885
1092.00	1058.49	1037.54	1900	1960	113.30	241.46	402.53	
								2925
1094.00	1061.41	1040.47	1902	1962	112.87	240.61	401.21	
								2960
1096.00	1064.27	1043.33	1904	1964	112.47	239.80	399.96	
								2901
1098.00	1067.17	1046.23	1906	1966	112.05	238.97	398.69	
								2906
1100.00	1070.08	1049.14	1908	1969	111.64	238.15	397.41	
								2922
1102.00	1073.00	1052.06	1909	1971	111.22	237.32	396.13	

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
								3093
1104.00	1076.09	1055.15	1912	1973	110.76	236.39	394.69	
								2907
1106.00	1079.00	1058.06	1913	1975	110.35	235.59	393.44	
								2909
1108.00	1081.91	1060.97	1915	1977	109.95	234.78	392.20	
								2343
1110.00	1084.75	1063.81	1917	1979	109.57	234.02	391.03	
								2938
1112.00	1087.69	1066.75	1919	1981	109.16	233.22	389.77	
								3012
1114.00	1090.70	1069.76	1921	1984	108.74	232.37	388.46	
								2972
1116.00	1093.67	1072.73	1922	1986	108.33	231.55	387.19	
								2962
1118.00	1096.64	1075.69	1924	1988	107.93	230.75	385.94	
								2894
1120.00	1099.53	1078.59	1926	1990	107.55	229.99	384.75	
								2959
1122.00	1102.49	1081.55	1928	1992	107.15	229.19	383.52	
								2843
1124.00	1105.33	1084.39	1930	1994	106.79	228.47	382.40	
								2890
1126.00	1108.22	1087.23	1931	1996	106.42	227.72	381.24	
								2947
1128.00	1111.17	1090.23	1933	1998	106.03	226.95	380.04	
								3023
1130.00	1114.19	1093.25	1935	2000	105.63	226.15	378.78	
								2970
1132.00	1117.16	1096.22	1937	2003	105.24	225.37	377.58	
								2976
1134.00	1120.14	1099.20	1939	2005	104.86	224.60	376.38	
								2974
1136.00	1123.11	1102.17	1940	2007	104.48	223.84	375.18	
								2999
1138.00	1126.11	1105.17	1942	2009	104.10	223.07	373.98	
								2965
1140.00	1129.07	1108.13	1944	2011	103.72	222.32	372.81	
								3019
1142.00	1132.09	1111.15	1946	2013	103.34	221.54	371.60	
								3085
1144.00	1135.18	1114.24	1948	2016	102.94	220.74	370.34	
								3046
1146.00	1138.22	1117.28	1950	2018	102.56	219.97	369.13	
								2997
1148.00	1141.22	1120.28	1952	2020	102.19	219.22	367.96	
								3081
1150.00	1144.30	1123.36	1954	2022	101.80	218.44	366.74	

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	1147.30	1126.36	1955	2024	101.43	217.70	365.58	3003
1154.00	1150.40	1129.46	1957	2027	101.05	216.92	364.36	3093
1156.00	1153.54	1132.60	1960	2029	100.65	216.12	363.10	3140
1158.00	1156.67	1135.73	1962	2032	100.26	215.33	361.87	3130
1160.00	1159.81	1138.87	1964	2034	99.87	214.55	360.63	3142
1162.00	1162.95	1142.02	1966	2037	99.49	213.76	359.40	3146
1164.00	1166.04	1145.10	1968	2039	99.12	213.02	358.22	3083
1166.00	1169.03	1148.09	1969	2041	98.77	212.32	357.13	2992
1168.00	1172.10	1151.16	1971	2043	98.41	211.59	355.93	3074
1170.00	1175.12	1154.18	1973	2045	98.07	210.89	354.88	3013
1172.00	1178.11	1157.17	1975	2047	97.73	210.21	353.81	2991
1174.00	1181.30	1160.36	1977	2050	97.35	209.43	352.58	3195
1176.00	1184.48	1163.55	1979	2052	96.97	208.66	351.38	3183
1178.00	1187.81	1166.87	1981	2055	96.56	207.83	350.06	3325
1180.00	1191.09	1170.15	1983	2058	96.17	207.03	348.79	3282
1182.00	1194.21	1173.27	1985	2060	95.81	206.31	347.66	3117
1184.00	1197.27	1176.33	1987	2062	95.48	205.63	346.58	3062
1186.00	1200.31	1179.37	1989	2064	95.15	204.96	345.52	3033
1188.00	1203.42	1182.48	1991	2066	94.80	204.26	344.42	3110
1190.00	1206.53	1185.64	1993	2069	94.45	203.54	343.28	3162
1192.00	1209.79	1188.95	1995	2071	94.09	202.80	342.12	3208
1194.00	1212.88	1191.94	1997	2073	93.76	202.13	341.05	3092
1196.00	1215.98	1195.04	1998	2075	93.43	201.45	339.98	3101
1198.00	1219.29	1198.36	2001	2078	93.05	200.68	338.76	3312

COMPANY : ESSO AUSTRALIA LTD. WELL : BLACKBACK #1

TWO-WAY TRAVEL TIME FROM SRD MS	MEASURED DEPTH FROM KB M	VERTICAL DEPTH FROM SRD M	AVERAGE VELOCITY SPD/GEO M/S	RMS VELOCITY M/S	FIRST NORMAL MOVEOUT MS	SECOND NORMAL MOVEOUT MS	THIRD NORMAL MOVEOUT MS	INTERVAL VELOCITY M/S
								3286
1200.00	1222.58	1201.64	2003	2081	92.63	199.93	337.56	3297
1202.00	1225.97	1204.94	2005	2083	92.31	199.18	336.37	3293
1204.00	1229.13	1208.19	2007	2086	91.96	198.46	335.22	3257
1206.00	1232.35	1211.45	2009	2088	91.61	197.74	334.03	3214
1208.00	1235.60	1214.66	2011	2090	91.27	197.04	332.97	3202
1210.00	1238.90	1217.87	2013	2093	90.93	196.35	331.83	3145
1212.00	1241.94	1221.01	2015	2095	90.61	195.70	330.94	3175
1214.00	1245.12	1224.13	2017	2097	90.29	195.03	329.78	3236
1216.00	1248.36	1227.42	2019	2100	89.95	194.34	328.69	3209
1218.00	1251.56	1230.63	2021	2102	89.62	193.67	327.62	3167
1220.00	1254.73	1233.80	2023	2104	89.31	193.02	326.59	3164
1222.00	1257.89	1236.96	2024	2106	88.99	192.38	325.56	3221
1224.00	1261.11	1240.13	2026	2109	88.67	191.72	324.51	3312
1226.00	1264.43	1243.49	2029	2111	88.33	191.02	323.40	3203
1228.00	1267.63	1246.70	2030	2113	88.01	190.37	322.36	3302
1230.00	1270.94	1250.00	2033	2116	87.68	189.69	321.27	3357
1232.00	1274.29	1253.36	2035	2118	87.34	188.99	320.15	3230
1234.00	1277.52	1256.59	2037	2121	87.03	188.35	319.13	3363
1236.00	1280.89	1259.95	2039	2123	86.69	187.65	318.02	3127
1238.00	1284.01	1263.08	2041	2125	86.40	187.06	317.07	3250
1240.00	1287.26	1266.33	2042	2128	86.09	186.42	316.05	3372
1242.00	1290.63	1269.70	2045	2130	85.76	185.74	314.95	3434
1244.00	1294.07	1273.14	2047	2133	85.42	185.03	313.83	3359
1246.00	1297.43	1276.50	2049	2135	85.10	184.36	312.75	

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
1248.00	1300.63	1279.70	2051	2133	84.80	183.76	311.79	3206
1250.00	1303.80	1282.93	2053	2140	84.50	183.14	310.90	3252
1252.00	1307.17	1286.24	2055	2142	84.20	182.52	309.80	3289
1254.00	1310.46	1289.53	2057	2144	83.90	181.90	308.80	3283
1256.00	1313.63	1292.75	2059	2147	83.61	181.30	307.85	3223
1258.00	1316.98	1296.05	2060	2149	83.31	180.68	306.86	3301
1260.00	1320.25	1299.32	2062	2151	83.02	180.08	305.90	3269
1262.00	1323.51	1302.58	2064	2153	82.73	179.48	304.93	3263
1264.00	1326.93	1306.00	2066	2156	82.42	178.83	303.88	3417
1266.00	1330.31	1309.38	2069	2158	82.11	178.20	302.86	3383
1268.00	1333.52	1312.59	2070	2161	81.84	177.63	301.96	3213
1270.00	1336.80	1315.87	2072	2163	81.55	177.05	301.01	3278
1272.00	1340.07	1319.14	2074	2165	81.27	176.47	300.08	3270
1274.00	1343.43	1322.50	2076	2167	80.98	175.86	299.10	3356
1276.00	1346.68	1325.75	2078	2169	80.71	175.29	298.20	3251
1278.00	1349.88	1328.96	2080	2171	80.44	174.75	297.32	3206
1280.00	1353.13	1332.20	2082	2174	80.18	174.19	296.42	3245
1282.00	1356.37	1335.45	2083	2176	79.91	173.64	295.54	3244
1284.00	1359.71	1338.78	2085	2178	79.63	173.06	294.60	3339
1286.00	1363.00	1342.07	2087	2180	79.36	172.50	293.70	3285
1288.00	1366.25	1345.32	2089	2182	79.10	171.96	292.82	3250
1290.00	1369.52	1348.59	2091	2184	78.83	171.41	291.94	3269
1292.00	1372.78	1351.86	2093	2186	78.57	170.87	291.06	3269
1294.00	1376.07	1355.14	2094	2188	78.31	170.32	290.19	3282

TWO-WAY TRAVEL TIME FROM SRD MS	MEASURED DEPTH FROM KB M	VERTICAL DEPTH FROM SRD M	AVERAGE VELOCITY SRD/SEA M/S	RMS VELOCITY M/S	FIRST NORMAL MOVEOUT MS	SECOND NORMAL MOVEOUT MS	THIRD NORMAL MOVEOUT MS	INTERVAL VELOCITY M/S
1296.00	1379.36	1359.43	2096	2191	77.05	169.73	289.31	3295
1298.00	1382.66	1361.73	2098	2193	77.79	169.24	288.43	3296
1300.00	1386.01	1365.09	2100	2195	77.52	168.68	287.53	3357
1302.00	1389.39	1368.46	2102	2197	77.25	168.12	286.62	3372
1304.00	1392.73	1371.81	2104	2199	76.99	167.57	285.73	3347
1306.00	1396.04	1375.12	2106	2202	76.73	167.04	284.87	3309
1308.00	1399.37	1378.44	2108	2204	76.48	166.50	284.01	3323
1310.00	1402.67	1381.75	2110	2206	76.22	165.98	283.16	3307
1312.00	1405.99	1385.06	2111	2208	75.97	165.45	282.31	3318
1314.00	1409.31	1388.38	2113	2210	75.72	164.93	281.46	3316
1316.00	1412.73	1391.80	2115	2212	75.46	164.38	280.57	3423
1318.00	1416.14	1395.22	2117	2215	75.19	163.83	279.69	3413
1320.00	1419.53	1398.61	2119	2217	74.94	163.30	278.82	3391
1322.00	1422.94	1402.02	2121	2219	74.68	162.76	277.94	3411
1324.00	1426.35	1405.43	2123	2222	74.42	162.22	277.08	3410
1326.00	1429.80	1408.87	2125	2224	74.17	161.68	276.19	3445
1328.00	1433.25	1412.33	2127	2226	73.91	161.14	275.31	3454
1330.00	1436.72	1415.80	2129	2229	73.65	160.60	274.43	3463
1332.00	1440.23	1419.31	2131	2231	73.38	160.05	273.54	3510
1334.00	1443.73	1422.80	2133	2234	73.12	159.50	272.65	3498
1336.00	1447.24	1426.32	2135	2236	72.86	158.96	271.76	3512
1338.00	1450.72	1429.80	2137	2238	72.61	158.43	270.90	3480
1340.00	1454.16	1433.23	2139	2241	72.36	157.91	270.06	3439
1342.00	1457.56	1436.64	2141	2243	72.13	157.41	269.24	3401

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
1344.00	1460.95	1440.03	2143	2245	71.89	156.92	268.44	3395
1346.00	1464.35	1443.42	2145	2247	71.65	156.42	267.64	3394
1348.00	1467.74	1446.82	2147	2249	71.42	155.93	266.84	3398
1350.00	1471.19	1450.27	2149	2252	71.18	155.43	266.02	3444
1352.00	1474.62	1453.70	2150	2254	70.95	154.94	265.22	3430
1354.00	1478.00	1457.08	2152	2256	70.72	154.46	264.44	3392
1356.00	1481.36	1460.44	2154	2253	70.50	154.00	263.68	3362
1358.00	1484.70	1463.77	2156	2260	70.28	153.54	262.93	3333
1360.00	1487.96	1467.04	2157	2262	70.07	153.10	262.22	3266
1362.00	1491.29	1470.36	2159	2264	69.86	152.65	261.49	3324
1364.00	1494.63	1473.71	2161	2266	69.64	152.20	260.75	3344
1366.00	1497.97	1477.05	2163	2267	69.43	151.75	260.02	3340
1368.00	1501.42	1480.50	2164	2270	69.20	151.28	259.24	3449
1370.00	1504.85	1483.92	2166	2272	68.98	150.81	258.48	3428
1372.00	1508.13	1487.26	2168	2274	68.77	150.37	257.76	3338
1374.00	1511.59	1490.67	2170	2276	68.55	149.91	257.02	3411
1376.00	1514.92	1494.00	2172	2278	68.35	149.48	256.31	3323
1378.00	1518.30	1497.38	2173	2280	68.14	149.04	255.59	3378
1380.00	1521.67	1500.75	2175	2282	67.93	148.60	254.87	3371
1382.00	1525.05	1504.13	2177	2284	67.72	148.16	254.15	3396
1384.00	1528.47	1507.56	2179	2286	67.51	147.72	253.42	3423
1386.00	1531.93	1511.01	2180	2288	67.29	147.26	252.68	3456
1388.00	1535.41	1514.50	2182	2290	67.08	146.81	251.93	3484
1390.00	1538.91	1517.99	2184	2292	66.86	146.35	251.18	3497

TWO-WAY TRAVEL TIME FROM SRD MS	MEASURED DEPTH FROM KB M	VERTICAL DEPTH FROM SRD M	AVERAGE VELOCITY SRD/SRD M/S	RMS VELOCITY M/S	FIRST NORMAL MOVEOUT MS	SECOND NORMAL MOVEOUT MS	THIRD NORMAL MOVEOUT MS	INTERVAL VELOCITY M/S
1392.00	1542.30	1521.39	2196	2294	66.66	145.92	250.43	3393
1394.00	1545.63	1524.71	2198	2296	66.46	145.51	249.81	3322
1396.00	1548.95	1528.03	2199	2298	66.27	145.11	249.14	3322
1398.00	1552.29	1531.37	2201	2299	66.03	144.70	248.45	3333
1400.00	1555.60	1534.69	2202	2301	65.89	144.30	247.82	3313
1402.00	1558.90	1537.99	2204	2303	65.70	143.91	247.17	3300
1404.00	1562.25	1541.34	2206	2305	65.51	143.50	246.51	3349
1406.00	1565.59	1544.67	2207	2307	65.32	143.10	245.86	3339
1408.00	1568.97	1548.05	2209	2309	65.13	142.70	245.19	3379
1410.00	1572.47	1551.55	2201	2311	64.92	142.26	244.43	3501
1412.00	1576.05	1555.13	2203	2313	64.71	141.81	243.74	3580
1414.00	1579.70	1558.78	2205	2315	64.49	141.35	242.97	3651
1416.00	1583.16	1562.24	2207	2317	64.29	140.93	242.28	3458
1418.00	1586.64	1565.73	2208	2319	64.10	140.51	241.59	3485
1420.00	1590.21	1569.30	2210	2322	63.89	140.07	240.87	3569
1422.00	1593.75	1572.84	2212	2324	63.69	139.65	240.17	3541
1424.00	1597.39	1576.43	2214	2326	63.47	139.19	239.42	3641
1426.00	1600.84	1579.92	2216	2328	63.28	138.80	238.77	3443
1428.00	1604.27	1583.36	2218	2330	63.10	138.40	238.12	3435
1430.00	1607.73	1586.82	2219	2332	62.91	138.00	237.46	3461
1432.00	1611.21	1590.30	2221	2334	62.72	137.60	236.80	3492
1434.00	1614.68	1593.77	2223	2336	62.53	137.20	236.14	3470
1436.00	1618.16	1597.24	2225	2338	62.35	136.81	235.49	3474
1438.00	1621.59	1600.68	2226	2340	62.17	136.42	234.86	3433

TWO-WAY TRAVEL TIME FROM SRD MS	MEASURED DEPTH FROM KB M	VERTICAL DEPTH FROM SRD M	AVERAGE VELOCITY SRD/GFD M/S	RMS VELOCITY M/S	FIRST NORMAL MOVEOUT MS	SECOND NORMAL MOVEOUT MS	THIRD NORMAL MOVEOUT MS	INTERVAL VELOCITY M/S
1440.00	1625.06	1604.14	2228	2342	61.98	136.04	234.22	3465
1442.00	1629.53	1607.62	2230	2344	61.80	135.65	233.57	3473
1444.00	1632.02	1611.10	2231	2346	61.62	135.26	232.93	3488
1446.00	1635.53	1614.61	2233	2348	61.43	134.87	232.28	3510
1448.00	1639.03	1618.12	2235	2350	61.25	134.48	231.64	3508
1450.00	1642.57	1621.65	2237	2352	61.06	134.08	230.99	3533
1452.00	1646.13	1625.27	2239	2354	60.87	133.67	230.31	3616
1454.00	1649.85	1628.94	2241	2356	60.67	133.25	229.62	3672
1456.00	1653.63	1632.72	2243	2359	60.46	132.81	228.89	3777
1458.00	1657.22	1636.31	2245	2361	60.28	132.41	228.23	3594
1460.00	1660.83	1639.92	2246	2363	60.09	132.02	227.57	3610
1462.00	1664.37	1643.46	2248	2365	59.91	131.64	226.94	3537
1464.00	1667.74	1646.83	2250	2367	59.75	131.29	226.38	3363
1466.00	1671.19	1650.28	2251	2369	59.58	130.94	225.79	3448
1468.00	1674.71	1653.80	2253	2371	59.41	130.57	225.17	3524
1470.00	1678.15	1657.24	2255	2372	59.24	130.22	224.59	3441
1472.00	1681.61	1660.70	2256	2374	59.08	129.86	224.01	3455
1474.00	1685.05	1664.14	2258	2376	58.91	129.51	223.43	3443
1476.00	1688.49	1667.58	2260	2378	58.75	129.17	222.86	3445
1478.00	1691.92	1671.01	2261	2379	58.59	128.83	222.29	3430
1480.00	1695.51	1674.60	2263	2381	58.42	128.45	221.67	3590
1482.00	1699.24	1678.33	2265	2384	58.23	128.05	221.01	3729
1484.00	1702.88	1681.97	2267	2386	58.05	127.68	220.38	3634
1486.00	1706.66	1685.75	2269	2388	57.86	127.27	219.70	3791

TWO-WAY TRAVEL TIME FROM SRD MS	MEASURED DEPTH FROM KB M	VERTICAL DEPTH FROM SRD M	AVERAGE VELOCITY SRD/SRD M/S	RMS VELOCITY M/S	FIRST NORMAL MOVEOUT MS	SECOND NORMAL MOVEOUT MS	THIRD NORMAL MOVEOUT MS	INTERVAL VELOCITY M/S
								3643
1488.00	1710.30	1689.39	2271	2390	57.66	126.89	219.28	
								3731
1490.00	1714.03	1693.12	2273	2393	57.50	126.50	218.43	
								3670
1492.00	1717.70	1696.79	2275	2395	57.32	126.13	217.80	
								3578
1494.00	1721.28	1700.37	2276	2397	57.16	125.77	217.21	
								3693
1496.00	1724.97	1704.06	2278	2399	56.98	125.39	216.59	
								3645
1498.00	1728.62	1707.71	2280	2401	56.81	125.03	215.98	
								3633
1500.00	1732.25	1711.34	2282	2403	56.64	124.67	215.38	
								3571
1502.00	1735.82	1714.91	2284	2405	56.48	124.33	214.81	
								3533
1504.00	1739.35	1718.45	2285	2407	56.32	123.99	214.25	
								3479
1506.00	1742.82	1721.92	2287	2409	56.17	123.67	213.71	
								3547
1508.00	1746.37	1725.46	2288	2411	56.01	123.33	213.16	
								3514
1510.00	1749.88	1728.98	2290	2412	55.86	123.00	212.61	
								3540
1512.00	1753.42	1732.52	2292	2414	55.71	122.67	212.06	
								3539
1514.00	1756.96	1736.06	2293	2416	55.55	122.34	211.51	
								3425
1516.00	1760.39	1739.48	2295	2418	55.41	122.04	211.01	
								3368
1518.00	1763.75	1742.85	2296	2419	55.27	121.74	210.52	
								3324
1520.00	1767.08	1746.17	2298	2421	55.14	121.46	210.04	
								3414
1522.00	1770.49	1749.59	2299	2422	55.00	121.16	209.54	
								3414
1524.00	1773.91	1753.00	2301	2424	54.86	120.86	209.05	
								3433
1526.00	1777.34	1756.43	2302	2425	54.72	120.56	208.55	
								3509
1528.00	1780.85	1759.94	2304	2427	54.57	120.25	208.03	
								3569
1530.00	1784.42	1763.51	2305	2429	54.42	119.93	207.49	
								3579
1532.00	1787.99	1767.09	2307	2431	54.27	119.61	206.96	
								3577
1534.00	1791.57	1770.67	2309	2433	54.12	119.29	206.42	

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	1795.14	1774.24	2310	2434	53.98	118.97	205.90	3572
1538.00	1799.00	1778.09	2312	2437	53.80	118.60	205.26	3856
1540.00	1802.62	1781.72	2314	2439	53.65	118.23	204.74	3624
1542.00	1806.22	1785.31	2316	2441	53.51	117.97	204.22	3594
1544.00	1810.09	1789.19	2318	2443	53.34	117.60	203.60	3874
1546.00	1814.02	1793.12	2320	2446	53.16	117.23	202.98	3929
1548.00	1818.00	1797.10	2322	2448	52.98	116.84	202.34	3984
1550.00	1821.81	1800.91	2324	2450	52.82	116.50	201.76	3803
1552.00	1825.56	1804.66	2326	2453	52.67	116.16	201.20	3752
1554.00	1829.49	1808.59	2328	2455	52.50	115.80	200.59	3928
1556.00	1833.22	1812.32	2329	2457	52.35	115.47	200.05	3728
1558.00	1836.99	1816.09	2331	2459	52.19	115.14	199.49	3769
1560.00	1841.01	1820.11	2333	2462	52.02	114.77	198.86	4021
1562.00	1844.95	1824.04	2336	2464	51.85	114.41	198.26	3937
1564.00	1848.80	1827.90	2337	2467	51.69	114.07	197.69	3852
1566.00	1852.34	1831.44	2339	2468	51.56	113.79	197.22	3545
1568.00	1855.87	1834.97	2341	2470	51.43	113.51	196.75	3525
1570.00	1859.59	1838.69	2342	2472	51.28	113.19	196.23	3719
1572.00	1863.36	1842.46	2344	2474	51.14	112.87	195.69	3776
1574.00	1867.14	1846.24	2346	2476	50.99	112.56	195.16	3779
1576.00	1870.82	1849.92	2343	2478	50.85	112.26	194.65	3675
1578.00	1874.64	1853.74	2349	2480	50.70	111.93	194.11	3825
1580.00	1878.44	1857.54	2351	2482	50.55	111.62	193.58	3800
1582.00	1882.23	1861.32	2353	2484	50.41	111.31	193.06	3784

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
								3722
1584.00	1885.95	1865.05	2355	2486	50.27	111.01	192.56	3604
1586.00	1889.55	1868.65	2356	2488	50.14	110.73	192.09	3524
1588.00	1893.07	1872.17	2358	2490	50.01	110.46	191.64	3582
1590.00	1896.66	1875.76	2359	2491	49.89	110.19	191.18	3788
1592.00	1900.44	1879.54	2361	2493	49.74	109.88	190.67	3673
1594.00	1904.12	1883.22	2363	2495	49.61	109.60	190.19	3685
1596.00	1907.80	1886.90	2365	2497	49.48	109.31	189.71	3662
1598.00	1911.46	1890.57	2366	2499	49.35	109.03	189.24	3647
1600.00	1915.11	1894.21	2368	2501	49.22	108.76	188.78	3663
1602.00	1918.77	1897.83	2369	2502	49.09	108.48	188.31	3694
1604.00	1922.47	1901.57	2371	2504	48.96	108.20	187.84	3719
1606.00	1926.19	1905.29	2373	2506	48.83	107.92	187.37	3750
1608.00	1929.94	1909.04	2374	2508	48.70	107.63	186.89	3785
1610.00	1933.72	1912.82	2376	2510	48.56	107.34	186.39	3640
1612.00	1937.36	1916.46	2378	2512	48.44	107.07	185.95	3752
1614.00	1941.11	1920.21	2379	2514	48.31	106.79	185.47	3730
1616.00	1944.84	1923.94	2381	2515	48.18	106.51	185.00	3640
1618.00	1948.48	1927.58	2383	2517	48.06	106.25	184.56	3617
1620.00	1952.10	1931.20	2384	2519	47.94	105.99	184.13	3620
1622.00	1955.72	1934.82	2386	2520	47.82	105.73	183.70	3642
1624.00	1959.36	1938.46	2387	2522	47.70	105.47	183.26	3656
1626.00	1963.01	1942.12	2389	2524	47.58	105.21	182.82	3654
1628.00	1966.67	1945.77	2390	2526	47.46	104.96	182.39	3736
1630.00	1970.40	1949.51	2392	2527	47.33	104.69	181.93	

TWO-WAY TRAVEL TIME FROM SRD MS	MEASURED DEPTH FROM KB M	VERTICAL DEPTH FROM SRD M	AVERAGE VELOCITY SRD/SEC M/S	RMS VELOCITY M/S	FIRST NORMAL MOVEOUT MS	SECOND NORMAL MOVEOUT MS	THIRD NORMAL MOVEOUT MS	INTERVAL VELOCITY M/S
								3685
1632.00	1974.09	1953.19	2394	2529	47.21	104.43	161.49	3726
1634.00	1977.81	1956.92	2395	2531	47.09	104.16	161.05	3732
1636.00	1981.55	1960.65	2397	2533	46.97	103.90	160.60	3709
1638.00	1985.26	1964.36	2398	2535	46.85	103.64	160.16	3689
1640.00	1988.94	1968.05	2400	2536	46.73	103.38	159.73	3647
1642.00	1992.59	1971.70	2402	2538	46.61	103.13	159.31	3645
1644.00	1996.24	1975.34	2403	2540	46.50	102.89	158.90	3633
1646.00	1999.87	1978.97	2405	2541	46.39	102.64	158.49	3571
1648.00	2003.44	1982.55	2406	2543	46.28	102.41	158.09	3610
1650.00	2007.05	1986.16	2407	2544	46.17	102.17	157.69	3657
1652.00	2010.71	1989.81	2409	2546	46.05	101.92	157.28	3649
1654.00	2014.36	1993.46	2410	2547	45.94	101.68	156.97	3613
1656.00	2017.97	1997.07	2412	2549	45.83	101.45	156.47	3607
1658.00	2021.57	2000.68	2413	2551	45.73	101.21	156.07	3590
1660.00	2025.16	2004.27	2415	2552	45.62	100.98	155.68	3528
1662.00	2028.69	2007.80	2416	2553	45.52	100.76	155.31	3511
1664.00	2032.20	2011.31	2417	2555	45.41	100.54	154.94	3537
1666.00	2035.74	2014.85	2419	2556	45.31	100.32	154.57	3503
1668.00	2039.24	2018.35	2420	2558	45.21	100.10	154.20	3453
1670.00	2042.70	2021.80	2421	2559	45.12	99.89	153.85	3393
1672.00	2046.09	2025.20	2422	2560	45.02	99.69	153.51	3482
1674.00	2049.57	2028.68	2424	2561	44.93	99.48	153.16	3505
1676.00	2053.07	2032.18	2425	2563	44.83	99.27	152.80	3546
1678.00	2056.62	2035.73	2426	2564	44.73	99.05	152.43	

TWO-WAY TRAVEL TIME FROM SRD MS	MEASURED DEPTH FROM KB M	VERTICAL DEPTH FROM SRD M	AVERAGE VELOCITY SRD/SFC M/S	RMS VELOCITY M/S	FIRST NORMAL MOVEOUT MS	SECOND NORMAL MOVEOUT MS	THIRD NORMAL MOVEOUT MS	INTERVAL VELOCITY M/S
								3579
1680.00	2060.20	2039.31	2428	2566	44.63	98.83	172.96	
								3600
1682.00	2063.80	2042.91	2429	2567	44.52	98.61	171.69	
								3505
1684.00	2067.30	2046.41	2430	2568	44.43	98.40	171.33	
								3594
1686.00	2070.90	2050.01	2432	2570	44.33	98.18	170.96	
								3669
1688.00	2074.57	2053.68	2433	2571	44.22	97.96	170.58	
								3626
1690.00	2078.19	2057.30	2435	2573	44.12	97.74	170.21	
								3600
1692.00	2081.79	2060.90	2436	2574	44.02	97.52	169.84	
								3515
1694.00	2085.31	2064.42	2437	2576	43.92	97.31	169.49	
								3240
1696.00	2088.55	2067.66	2438	2577	43.84	97.14	169.20	
								3520
1698.00	2092.07	2071.18	2440	2578	43.75	96.94	168.86	
								3258
1700.00	2095.32	2074.44	2441	2579	43.67	96.76	168.56	
								3420
1702.00	2098.74	2077.86	2442	2580	43.58	96.57	168.24	
								3281
1704.00	2102.03	2081.14	2443	2581	43.50	96.40	167.94	
								3410
1706.00	2105.44	2084.55	2444	2582	43.41	96.21	167.62	
								3604
1708.00	2109.04	2088.15	2445	2583	43.31	96.00	167.27	
								3601
1710.00	2112.64	2091.75	2446	2585	43.22	95.79	166.91	
								3603
1712.00	2116.24	2095.35	2448	2586	43.12	95.58	166.56	
								3530
1714.00	2119.77	2098.88	2449	2588	43.03	95.38	166.22	
								3272
1716.00	2123.05	2102.16	2450	2588	42.95	95.21	165.93	
								3127
1718.00	2126.17	2105.28	2451	2589	42.88	95.06	165.67	
								3450
1720.00	2129.62	2108.73	2452	2590	42.79	94.87	165.36	
								3640
1722.00	2133.26	2112.37	2453	2592	42.70	94.66	165.00	
								3702
1724.00	2136.96	2116.08	2455	2593	42.60	94.44	164.64	
								3662
1726.00	2140.62	2119.74	2456	2595	42.50	94.23	164.28	

TWO-WAY TRAVEL TIME FROM SRD MS	MEASURED DEPTH FROM KB M	VERTICAL DEPTH FROM SRD M	AVERAGE VELOCITY SRD/SFD M/S	RMS VELOCITY M/S	FIRST NORMAL MOVEOUT MS	SECOND NORMAL MOVEOUT MS	THIRD NORMAL MOVEOUT MS	INTERVAL VELOCITY M/S
1728.00	2144.31	2123.43	2458	2596	42.40	94.02	163.92	3692
1730.00	2147.99	2127.10	2459	2598	42.31	93.81	163.57	3673
1732.00	2151.54	2130.66	2460	2599	42.22	93.62	163.24	3556
1734.00	2155.13	2134.30	2462	2601	42.12	93.41	162.89	3641
1736.00	2159.03	2138.14	2463	2602	42.02	93.19	162.51	3343
1738.00	2162.73	2141.90	2465	2604	41.92	92.97	162.15	3755
1740.00	2166.48	2145.60	2466	2606	41.83	92.77	161.79	3702
1742.00	2170.15	2149.26	2468	2607	41.73	92.56	161.43	3663
1744.00	2173.56	2152.67	2469	2608	41.65	92.39	161.13	3410
1746.00	2177.20	2156.32	2470	2609	41.56	92.19	160.82	3647
1748.00	2180.99	2160.11	2472	2611	41.46	91.98	160.45	3790
1750.00	2184.79	2163.91	2473	2613	41.36	91.76	160.09	3798
1752.00	2188.31	2167.43	2474	2614	41.28	91.58	159.78	3522
1754.00	2191.75	2170.87	2475	2615	41.20	91.41	159.43	3438
1756.00	2195.55	2174.66	2477	2617	41.10	91.20	159.13	3796
1758.00	2199.31	2178.42	2478	2618	41.01	90.99	158.78	3763
1760.00	2203.16	2182.28	2480	2620	40.91	90.77	158.41	3853
1762.00	2206.77	2185.89	2481	2621	40.82	90.59	158.09	3609
1764.00	2210.42	2189.53	2482	2623	40.73	90.39	157.76	3646
1766.00	2214.23	2193.35	2484	2624	40.64	90.19	157.41	3815
1768.00	2217.93	2197.04	2485	2626	40.55	89.99	157.08	3696
1770.00	2221.32	2200.44	2486	2627	40.47	89.83	156.80	3393
1772.00	2224.50	2203.62	2487	2628	40.41	89.69	156.56	3191
1774.00	2228.41	2207.53	2489	2629	40.31	89.47	156.19	3912

TWO-WAY TRAVEL TIME FROM SRD MS	MEASURED DEPTH FROM KB M	VERTICAL DEPTH FROM SRD M	AVERAGE VELOCITY SRD/SRD M/S	RMS VELOCITY M/S	FIRST NORMAL MOVEOUT MS	SECOND NORMAL MOVEOUT MS	THIRD NORMAL MOVEOUT MS	INTERVAL VELOCITY M/S
1776.00	2232.20	2211.32	2490	2631	40.22	89.27	155.85	3787
1778.00	2236.06	2215.17	2492	2633	40.12	89.06	155.50	3859
1780.00	2239.94	2219.06	2493	2634	40.02	88.85	155.14	3883
1782.00	2243.97	2223.09	2495	2636	39.92	88.63	154.75	4036
1784.00	2247.98	2227.00	2497	2638	39.82	88.41	154.39	3910
1786.00	2251.92	2230.94	2499	2640	39.73	88.20	154.03	3933
1788.00	2255.76	2234.88	2500	2642	39.63	87.99	153.67	3943
1790.00	2259.61	2238.73	2501	2643	39.54	87.79	153.33	3846
1792.00	2263.41	2242.53	2503	2645	39.45	87.59	153.00	3803
1794.00	2267.11	2246.23	2504	2646	39.36	87.41	152.68	3703
1796.00	2270.89	2250.01	2506	2648	39.27	87.22	152.35	3779
1798.00	2274.71	2253.83	2507	2650	39.19	87.02	152.02	3816
1800.00	2278.61	2257.73	2509	2651	39.09	86.82	151.68	3907
1802.00	2282.63	2261.75	2510	2653	38.99	86.61	151.31	4017
1804.00	2286.43	2265.55	2512	2655	38.91	86.42	150.99	3796
1806.00	2290.33	2269.45	2513	2656	38.82	86.22	150.65	3900
1808.00	2294.22	2273.34	2515	2658	38.73	86.02	150.31	3892
1810.00	2297.95	2277.07	2516	2660	38.64	85.84	150.00	3732
1812.00	2301.65	2280.77	2517	2661	38.56	85.66	149.70	3701
1814.00	2305.51	2284.63	2519	2663	38.47	85.47	149.38	3859
1816.00	2309.47	2288.59	2520	2664	38.38	85.27	149.03	3960
1818.00	2313.39	2292.51	2522	2666	38.29	85.07	148.70	3917
1820.00	2317.35	2296.47	2524	2668	38.20	84.87	148.36	3964
1822.00	2321.43	2300.55	2525	2670	38.10	84.66	148.00	4074

TWO-WAY TRAVEL TIME FROM SRD MS	MEASURED DEPTH FROM KB M	VERTICAL DEPTH FROM SRD M	AVERAGE VELOCITY SRD/SFD M/S	RMS VELOCITY M/S	FIRST NORMAL MOVEOUT MS	SECOND NORMAL MOVEOUT MS	THIRD NORMAL MOVEOUT MS	INTERVAL VELOCITY M/S
1824.00	2325.47	2304.59	2527	2672	37.01	84.46	147.65	4042
1826.00	2329.50	2308.63	2529	2674	37.92	84.25	147.30	4037
1828.00	2333.31	2312.43	2530	2675	37.83	84.07	146.99	3806
1830.00	2337.17	2316.30	2531	2677	37.75	83.89	146.67	3862
1832.00	2340.98	2320.10	2533	2678	37.67	83.71	146.37	3809
1834.00	2344.71	2323.83	2534	2679	37.59	83.54	146.08	3727
1836.00	2348.37	2327.49	2535	2681	37.51	83.37	145.80	3661
1838.00	2352.21	2331.33	2537	2682	37.43	83.19	145.49	3842
1840.00	2355.86	2334.98	2538	2683	37.36	83.03	145.21	3647
1842.00	2359.39	2338.51	2539	2685	37.29	82.88	144.96	3529
1844.00	2363.06	2342.19	2540	2686	37.21	82.72	144.69	3675
1846.00	2366.87	2346.00	2542	2687	37.13	82.54	144.38	3814
1848.00	2370.73	2349.86	2543	2689	37.05	82.37	144.07	3859
1850.00	2374.47	2353.60	2544	2690	36.97	82.20	143.79	3741
1852.00	2378.06	2357.19	2546	2691	36.91	82.05	143.53	3586
1854.00	2381.66	2360.79	2547	2692	36.84	81.89	143.27	3599
1856.00	2385.33	2364.45	2548	2694	36.76	81.74	143.00	3667
1858.00	2389.04	2368.16	2549	2695	36.69	81.57	142.72	3713
1860.00	2392.82	2371.94	2550	2696	36.61	81.41	142.44	3778
1862.00	2396.45	2375.58	2552	2698	36.54	81.25	142.17	3632
1864.00	2400.20	2379.32	2553	2699	36.47	81.09	141.90	3748
1866.00	2404.73	2383.18	2554	2700	36.39	80.92	141.62	3860
1868.00	2409.12	2386.93	2556	2702	36.31	80.76	141.33	3746
1870.00	2413.23	2390.43	2557	2703	36.25	80.62	141.09	3504

TWO-WAY TRAVEL TIME FROM SRD MS	MEASURED DEPTH FROM KB M	VERTICAL DEPTH FROM SRD M	AVERAGE VELOCITY SRD/GSD M/S	RMS VELOCITY M/S	FIRST NORMAL MOVEOUT MS	SECOND NORMAL MOVEOUT MS	THIRD NORMAL MOVEOUT MS	INTERVAL VELOCITY M/S
1872.00	2417.56	2394.13	2553	2704	36.13	80.46	140.92	3696
1874.00	2422.33	2398.24	2559	2706	36.09	80.27	140.49	4114
1876.00	2426.75	2401.97	2561	2707	36.02	80.11	140.22	3731
1878.00	2430.76	2405.40	2562	2708	35.96	79.93	140.00	3424
1880.00	2434.79	2408.93	2563	2709	35.90	79.85	139.77	3435
1882.00	2438.95	2412.30	2564	2710	35.84	79.71	139.54	3460
1884.00	2442.78	2415.65	2564	2711	35.78	79.59	139.33	3349
1886.00	2446.83	2419.11	2565	2712	35.72	79.46	139.10	3458
1888.00	2450.93	2422.60	2566	2713	35.66	79.32	138.87	3494
1890.00	2454.98	2426.06	2567	2713	35.60	79.19	138.64	3461
1892.00	2459.99	2429.48	2568	2714	35.54	79.06	138.42	3415
1894.00	2463.22	2433.09	2569	2715	35.47	78.92	138.13	3614
1896.00	2467.47	2436.71	2570	2716	35.41	78.77	137.93	3624
1898.00	2471.23	2439.92	2571	2717	35.36	78.66	137.74	3205
1900.00	2474.91	2443.06	2572	2718	35.31	78.55	137.56	3141
1902.00	2478.64	2446.25	2572	2718	35.26	78.44	137.37	3186
1904.00	2482.26	2449.34	2573	2718	35.21	78.34	137.20	3091
1906.00	2485.89	2452.43	2573	2719	35.16	78.24	137.02	3091
1908.00	2489.63	2455.62	2574	2719	35.11	78.13	136.84	3196
1910.00	2493.30	2458.76	2575	2720	35.06	78.03	136.66	3134
1912.00	2496.92	2461.85	2575	2720	35.02	77.92	136.48	3087
1914.00	2500.52	2464.92	2576	2721	34.97	77.82	136.31	3079
1916.00	2504.10	2467.97	2576	2721	34.93	77.72	136.14	3057
1918.00	2507.76	2471.10	2577	2722	34.88	77.62	135.97	3125

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
								3072
1920.00	2511.36	2474.17	2577	2722	34.83	77.52	135.90	3042
1922.00	2514.93	2477.21	2578	2722	34.79	77.43	135.63	3020
1924.00	2518.47	2480.23	2578	2723	34.75	77.33	135.47	3104
1926.00	2522.11	2483.33	2579	2723	34.70	77.23	135.30	3027
1928.00	2525.65	2486.36	2579	2723	34.66	77.13	135.13	3029
1930.00	2529.20	2489.39	2580	2724	34.61	77.04	134.97	3027
1932.00	2532.75	2492.42	2580	2724	34.57	76.94	134.81	3036
1934.00	2536.31	2495.45	2581	2724	34.52	76.85	134.64	3016
1936.00	2539.84	2498.47	2581	2725	34.48	76.75	134.48	3055
1938.00	2543.42	2501.52	2582	2725	34.44	76.66	134.32	3020
1940.00	2546.96	2504.54	2582	2725	34.39	76.56	134.16	3089
1942.00	2550.53	2507.63	2583	2726	34.35	76.47	133.99	3077
1944.00	2554.19	2510.71	2583	2726	34.31	76.37	133.83	3042
1946.00	2557.76	2513.75	2584	2726	34.26	76.27	133.67	3073
1948.00	2561.36	2516.83	2584	2727	34.22	76.18	133.50	3097
1950.00	2564.99	2519.92	2585	2727	34.17	76.08	133.33	3074
1952.00	2568.59	2523.00	2585	2728	34.13	75.99	133.17	3062
1954.00	2572.18	2526.06	2586	2728	34.09	75.89	133.01	3055
1956.00	2575.76	2529.11	2586	2728	34.04	75.80	132.85	3024
1958.00	2579.31	2532.14	2586	2729	34.00	75.70	132.69	2953
1960.00	2582.77	2535.09	2587	2729	33.96	75.62	132.54	2685
1962.00	2585.92	2537.78	2587	2729	33.93	75.55	132.42	2720
1964.00	2589.10	2540.50	2587	2729	33.90	75.47	132.29	2732
1966.00	2592.31	2543.23	2587	2729	33.86	75.40	132.17	

TWO-WAY TRAVEL TIME FROM SRD MS	MEASURED DEPTH FROM KB M	VERTICAL DEPTH FROM SRD M	AVERAGE VELOCITY SRD/SEC M/S	RMS VELOCITY M/S	FIRST NORMAL MOVEOUT MS	SECOND NORMAL MOVEOUT MS	THIRD NORMAL MOVEOUT MS	INTERVAL VELOCITY M/S
								2749
1968.00	2595.53	2545.99	2587	2729	33.83	75.32	132.04	
								2746
1970.00	2598.75	2548.72	2588	2729	33.79	75.25	131.91	
								2570
1972.00	2601.76	2551.27	2586	2729	33.76	75.18	131.80	
								2690
1974.00	2604.91	2553.98	2588	2729	33.73	75.11	131.68	
								2601
1976.00	2607.96	2556.58	2589	2729	33.70	75.05	131.57	
								2665
1978.00	2611.03	2559.25	2589	2729	33.67	74.98	131.45	
								2396
1980.00	2613.88	2561.64	2589	2728	33.64	74.92	131.35	
								2442
1982.00	2616.74	2564.08	2587	2728	33.62	74.86	131.26	
								2388
1984.00	2619.54	2566.47	2587	2728	33.59	74.81	131.16	
								2432
1986.00	2622.39	2568.90	2587	2727	33.56	74.75	131.06	
								2488
1988.00	2625.31	2571.39	2587	2727	33.54	74.69	130.96	
								2696
1990.00	2628.47	2574.08	2587	2727	33.50	74.62	130.84	
								2529
1992.00	2631.43	2576.61	2587	2727	33.48	74.56	130.74	
								2547
1994.00	2634.18	2579.96	2587	2727	33.45	74.50	130.65	
								2560
1996.00	2637.13	2581.52	2587	2726	33.42	74.44	130.54	
								2991
1998.00	2640.69	2584.51	2587	2727	33.38	74.35	130.39	
								2919
2000.00	2644.11	2587.43	2587	2727	33.34	74.27	130.25	
								2914
2002.00	2647.52	2590.34	2588	2727	33.31	74.19	130.11	
								2954
2004.00	2650.87	2593.20	2588	2727	33.27	74.11	129.97	
								2744
2006.00	2654.09	2595.94	2588	2727	33.24	74.04	129.85	
								2603
2008.00	2657.14	2598.54	2588	2727	33.21	73.97	129.74	
								2481
2010.00	2660.04	2601.02	2588	2727	33.18	73.92	129.64	
								2872
2012.00	2663.41	2603.90	2588	2727	33.15	73.84	129.51	
								2710
2014.00	2666.59	2606.61	2588	2727	33.11	73.77	129.39	

TWO-WAY TRAVEL TIME FROM SRD MS	MEASURED DEPTH FROM KB M	VERTICAL DEPTH FROM SRD M	AVERAGE VELOCITY SRD/SEQ M/S	RMS VELOCITY M/S	FIRST NORMAL MOVEOUT MS	SECOND NORMAL MOVEOUT MS	THIRD NORMAL MOVEOUT MS	INTERVAL VELOCITY M/S
								2568
2016.00	2669.60	2609.17	2590	2727	33.08	73.70	129.29	
								2567
2018.00	2672.61	2611.74	2590	2727	33.06	73.64	129.17	
								2646
2020.00	2675.71	2614.39	2590	2727	33.03	73.58	129.06	
								2645
2022.00	2678.81	2617.03	2590	2726	33.00	73.51	128.95	
								2582
2024.00	2681.83	2619.61	2590	2726	32.97	73.45	128.84	
								2728
2026.00	2685.03	2622.34	2590	2726	32.93	73.38	128.72	
								2619
2028.00	2688.10	2624.96	2590	2726	32.91	73.31	128.61	
								2607
2030.00	2691.15	2627.57	2590	2726	32.88	73.25	128.50	
								2553
2032.00	2694.15	2630.12	2590	2726	32.85	73.19	128.40	
								2614
2034.00	2697.21	2632.74	2590	2726	32.82	73.12	128.29	
								2470
2036.00	2700.11	2635.21	2590	2726	32.79	73.07	128.19	
								2567
2038.00	2703.11	2637.77	2590	2725	32.77	73.01	128.09	
								2605
2040.00	2706.17	2640.38	2590	2725	32.74	72.94	127.98	
								2909
2042.00	2709.58	2643.29	2590	2726	32.70	72.86	127.85	
								2377
2044.00	2712.95	2646.16	2590	2726	32.67	72.79	127.71	
								2730
2046.00	2716.15	2648.89	2590	2726	32.63	72.72	127.60	
								2880
2048.00	2719.52	2651.77	2590	2726	32.60	72.64	127.47	
								2322
2050.00	2722.83	2654.60	2590	2726	32.56	72.57	127.34	
								2650
2052.00	2725.94	2657.25	2590	2726	32.54	72.50	127.23	
								2732
2054.00	2729.14	2659.98	2590	2726	32.50	72.44	127.11	
								2393
2056.00	2732.54	2662.83	2590	2726	32.47	72.36	126.98	
								2973
2058.00	2736.02	2665.85	2591	2726	32.43	72.28	126.84	
								2949
2060.00	2739.48	2668.80	2591	2727	32.40	72.20	126.70	
								2974
2062.00	2742.96	2671.77	2591	2727	32.36	72.12	126.57	

TWO-WAY TRAVEL TIME FROM SRD MS	MEASURED DEPTH FROM KB M	VERTICAL DEPTH FROM SRD M	AVERAGE VELOCITY SRD/GFD M/S	RMS VELOCITY M/S	FIRST NORMAL MOVEOUT MS	SECOND NORMAL MOVEOUT MS	THIRD NORMAL MOVEOUT MS	INTERVAL VELOCITY M/S
								3016
2064.00	2746.50	2674.79	2592	2727	32.32	72.03	126.42	2973
2066.00	2749.98	2677.76	2592	2727	32.28	71.95	126.29	3005
2068.00	2753.50	2680.77	2593	2728	32.25	71.87	126.15	3075
2070.00	2757.11	2683.84	2593	2728	32.21	71.79	126.00	3172
2072.00	2760.83	2687.01	2594	2728	32.17	71.70	125.84	3100
2074.00	2764.46	2690.11	2594	2729	32.13	71.61	125.69	3061
2076.00	2768.05	2693.17	2595	2729	32.09	71.53	125.55	3011
2078.00	2771.57	2696.18	2595	2729	32.05	71.44	125.41	3176
2080.00	2775.30	2699.36	2596	2730	32.01	71.35	125.26	2951
2082.00	2778.76	2702.31	2596	2730	31.97	71.23	125.12	3008
2084.00	2782.28	2705.32	2596	2730	31.94	71.20	124.98	2927
2086.00	2785.71	2708.25	2597	2731	31.90	71.12	124.85	3065
2088.00	2789.30	2711.31	2597	2731	31.87	71.04	124.71	3110
2090.00	2792.95	2714.42	2598	2731	31.83	70.95	124.56	3023
2092.00	2796.49	2717.44	2598	2732	31.79	70.87	124.42	3118
2094.00	2800.15	2720.56	2598	2732	31.75	70.78	124.28	3196
2096.00	2803.89	2723.76	2599	2732	31.71	70.69	124.12	3044
2098.00	2807.46	2726.80	2599	2733	31.67	70.61	123.98	3194
2100.00	2811.20	2730.00	2600	2733	31.63	70.52	123.83	3099
2102.00	2814.84	2733.10	2600	2734	31.59	70.44	123.69	3152
2104.00	2818.53	2736.25	2601	2734	31.55	70.35	123.54	3047
2106.00	2822.10	2739.29	2601	2734	31.52	70.27	123.40	2955
2108.00	2825.56	2742.25	2602	2735	31.48	70.20	123.27	2921
2110.00	2828.99	2745.17	2602	2735	31.45	70.12	123.14	

TWO-WAY TRAVEL TIME FROM SRD MS	MEASURED DEPTH FROM KB M	VERTICAL DEPTH FROM SRD M	AVERAGE VELOCITY SRD/SEO M/S	RMS VELOCITY M/S	FIRST NORMAL MOVEOUT MS	SECOND NORMAL MOVEOUT MS	THIRD NORMAL MOVEOUT MS	INTERVAL VELOCITY M/S
2112.00	2832.42	2749.10	2602	2735	31.42	70.05	123.02	2927
2114.00	2835.90	2750.98	2603	2735	31.38	69.93	122.39	2884
2116.00	2839.16	2753.85	2603	2735	31.35	69.91	122.77	2972
2118.00	2842.43	2756.81	2603	2735	31.32	69.83	122.64	2960
2120.00	2846.18	2759.84	2604	2736	31.28	69.75	122.51	3029
2122.00	2849.56	2762.72	2604	2736	31.25	69.68	122.39	2873
2124.00	2852.92	2765.59	2604	2736	31.22	69.61	122.27	2869
2126.00	2856.23	2768.41	2604	2736	31.19	69.55	122.15	2825
2128.00	2859.37	2771.10	2604	2736	31.16	69.49	122.05	2682
2130.00	2862.71	2773.94	2605	2736	31.13	69.42	121.93	2843
2132.00	2865.95	2776.71	2605	2736	31.10	69.35	121.82	2765
2134.00	2869.31	2779.53	2605	2736	31.07	69.28	121.70	2870
2136.00	2873.16	2782.96	2606	2737	31.03	69.19	121.54	3290
2138.00	2877.11	2786.23	2606	2738	30.98	69.10	121.38	3367
2140.00	2881.14	2789.67	2607	2738	30.94	69.00	121.21	3444
2142.00	2885.17	2793.10	2608	2739	30.89	68.90	121.04	3432
2144.00	2889.17	2796.52	2609	2740	30.85	68.80	120.87	3421
2146.00	2893.17	2799.93	2609	2740	30.80	68.71	120.70	3409
2148.00	2897.24	2803.40	2610	2741	30.76	68.61	120.53	3469
2150.00	2901.34	2806.82	2611	2742	30.71	68.51	120.36	3419
2152.00	2905.55	2810.16	2612	2743	30.67	68.42	120.21	3343
2154.00	2909.81	2813.54	2612	2743	30.63	68.32	120.04	3377
2156.00	2914.11	2816.95	2613	2744	30.59	68.23	119.88	3410
2158.00	2918.32	2820.29	2614	2744	30.54	68.14	119.72	3373

TWO-WAY TRAVEL TIME FROM SRD MS	MEASURED DEPTH FROM KB M	VERTICAL DEPTH FROM SRD M	AVERAGE VELOCITY SRD/SSL M/S	RMS VELOCITY M/S	FIRST NORMAL MOVEOUT MS	SECOND NORMAL MOVEOUT MS	THIRD NORMAL MOVEOUT MS	INTERVAL VELOCITY M/S
2160.00	2922.49	2823.59	2614	2745	30.50	67.85	119.57	3304
2162.00	2926.93	2827.03	2615	2746	30.46	67.95	119.43	3437
2164.00	2931.03	2830.36	2616	2746	30.42	67.86	119.29	3323
2166.00	2935.29	2833.73	2617	2747	30.38	67.77	119.09	3375
2168.00	2939.74	2837.26	2617	2748	30.33	67.67	118.92	3530
2170.00	2944.17	2840.73	2618	2749	30.29	67.57	118.74	3514
2172.00	2948.52	2844.22	2619	2749	30.24	67.47	118.58	3449
2174.00	2952.87	2847.67	2620	2750	30.20	67.38	118.41	3447
2176.00	2957.17	2851.08	2620	2751	30.16	67.29	118.25	3405
2178.00	2961.32	2854.37	2621	2751	30.12	67.20	118.11	3292
2180.00	2965.14	2857.40	2621	2752	30.09	67.13	117.98	3071
2182.00	2969.67	2860.99	2622	2752	30.04	67.02	117.80	3587
2184.00	2974.09	2864.49	2623	2753	30.00	66.93	117.64	3501
2186.00	2978.52	2868.01	2624	2754	29.95	66.83	117.47	3517
2188.00	2982.90	2871.47	2625	2755	29.91	66.74	117.31	3468
2190.00	2987.57	2875.18	2626	2756	29.86	66.63	117.14	3706
2192.00	2992.15	2878.80	2627	2757	29.81	66.53	116.94	3625
2194.00	2997.08	2882.72	2628	2758	29.76	66.41	116.74	3911
2196.00	3001.91	2886.46	2629	2759	29.71	66.30	116.55	3743
2198.00	3008.49	2891.39	2631	2762	29.62	66.11	116.22	4923
2200.00	3013.60	2895.22	2632	2763	29.57	66.00	116.03	3831
2202.00	3018.04	2898.55	2633	2764	29.53	65.91	115.88	3329
2204.00	3022.94	2902.21	2634	2764	29.49	65.81	115.70	3663
2206.00	3027.35	2905.52	2634	2765	29.45	65.73	115.56	3303

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	3031.90	2908.93	2675	2766	29.41	65.64	115.41	3410
2210.00	3036.61	2912.49	2676	2766	29.37	65.54	115.24	3525
2212.00	3041.34	2916.09	2677	2767	29.32	65.45	115.08	3546
2214.00	3045.78	2919.32	2677	2768	29.29	65.36	114.93	3326
2216.00	3051.27	2923.44	2678	2769	29.23	65.24	114.71	4114
2218.00	3055.92	2926.92	2679	2770	29.19	65.15	114.56	3479
2220.00	3060.40	2930.28	2680	2771	29.15	65.06	114.41	3359
2222.00	3064.96	2933.69	2681	2771	29.11	64.98	114.26	3413
2224.00	3069.64	2937.20	2681	2772	29.07	64.88	114.10	3506
2226.00	3074.17	2940.59	2682	2773	29.03	64.80	113.96	3396
2228.00	3078.63	2943.93	2683	2773	28.99	64.72	113.81	3342
2230.00	3083.79	2947.80	2684	2774	28.94	64.61	113.62	3364
2232.00	3090.59	2952.89	2686	2777	28.86	64.41	113.29	5095
2234.00	3095.96	2956.91	2687	2779	28.80	64.30	113.09	4013
2236.00	3100.93	2960.66	2688	2780	28.76	64.19	112.91	3753
2238.00	3106.12	2964.68	2689	2781	28.70	64.03	112.71	4012
2240.00	3111.45	2968.80	2691	2783	28.65	63.95	112.49	4126
2242.00	3116.35	2972.59	2692	2784	28.60	63.85	112.31	3789
2244.00	3120.85	2976.07	2692	2784	28.56	63.76	112.16	3483
2246.00	3125.45	2979.64	2693	2785	28.52	63.67	112.01	3566
2248.00	3130.14	2983.26	2694	2786	28.48	63.58	111.84	3624
2250.00	3134.80	2986.87	2695	2787	28.43	63.49	111.68	3603
2252.00	3139.25	2990.32	2696	2787	28.40	63.40	111.54	3445
2254.00	3144.06	2994.04	2697	2788	28.35	63.30	111.37	3720

TWO-WAY TRAVEL TIME FROM SRD MS	MEASURED DEPTH FROM KB M	VERTICAL DEPTH FROM SRD M	AVERAGE VELOCITY SRD/GFD M/S	RMS VELOCITY M/S	FIRST NORMAL MOVEOUT MS	SECOND NORMAL MOVEOUT MS	THIRD NORMAL MOVEOUT MS	INTERVAL VELOCITY M/S
2254.00	3148.78	2997.69	2658	2789	28.31	63.21	111.21	3655
2256.00	3153.64	3001.61	2659	2791	28.26	63.10	111.02	3913
2258.00	3158.50	3005.21	2659	2791	28.22	63.01	110.86	3601
2260.00	3163.27	3008.91	2660	2792	28.18	62.91	110.70	3696
2262.00	3168.17	3012.69	2661	2793	28.13	62.81	110.52	3795
2264.00	3173.08	3016.49	2662	2794	28.08	62.71	110.35	3800
2266.00	3177.93	3020.25	2663	2795	28.04	62.62	110.18	3759
2268.00	3182.80	3024.08	2664	2796	27.99	62.52	110.00	3829
2270.00	3187.49	3027.65	2665	2797	27.95	62.43	109.85	3567
2272.00	3191.79	3030.97	2666	2798	27.92	62.35	109.72	3327
2274.00	3197.11	3035.09	2667	2799	27.87	62.24	109.52	4116
2276.00	3203.87	3040.34	2669	2802	27.78	62.05	109.19	5254
2278.00	3210.57	3045.56	2672	2805	27.70	61.86	108.87	5219
2280.00	3215.28	3049.24	2672	2806	27.66	61.77	108.71	3677
2282.00	3219.92	3052.85	2673	2807	27.62	61.68	108.56	3611
2284.00	3224.68	3056.56	2674	2808	27.58	61.59	108.40	3709
2286.00	3229.34	3060.19	2675	2809	27.54	61.50	108.25	3628
2288.00	3235.30	3064.83	2677	2811	27.47	61.36	108.00	4643
2290.00	3240.09	3068.56	2678	2812	27.43	61.27	107.84	3730
2292.00	3245.46	3072.75	2679	2813	27.38	61.15	107.64	4190
2294.00	3250.28	3076.51	2680	2814	27.33	61.06	107.47	3755
2296.00	3254.61	3079.89	2680	2815	27.30	60.98	107.34	3374
2298.00	3259.19	3083.45	2681	2815	27.26	60.90	107.20	3567
2300.00	3263.70	3086.96	2682	2816	27.23	60.82	107.06	3511
2302.00								

TWO-WAY TRAVEL TIME FROM SRD MS	MEASURED DEPTH FROM KB M	VERTICAL DEPTH FROM SRD M	AVERAGE VELOCITY SRD/GRD M/S	RMS VELOCITY M/S	FIRST NORMAL MOVEOUT MS	SECOND NORMAL MOVEOUT MS	THIRD NORMAL MOVEOUT MS	INTERVAL VELOCITY M/S
								4509
2304.00	3269.43	3091.47	2684	2818	27.17	60.69	106.83	3904
2306.00	3274.50	3095.37	2685	2819	27.12	60.59	106.66	4149
2308.00	3279.92	3099.52	2686	2821	27.07	60.48	106.47	3704
2310.00	3284.50	3103.22	2687	2821	27.03	60.39	106.31	3495
2312.00	3289.06	3106.72	2687	2822	27.00	60.31	106.18	3539
2314.00	3293.60	3110.26	2688	2823	26.96	60.23	106.04	3637
2316.00	3298.27	3113.89	2689	2824	26.92	60.14	105.89	3613
2318.00	3302.82	3117.51	2690	2824	26.88	60.06	105.75	3482
2320.00	3307.31	3120.99	2691	2825	26.85	59.98	105.61	3415
2322.00	3311.64	3124.41	2691	2826	26.82	59.91	105.48	3453
2324.00	3316.03	3127.87	2692	2826	26.78	59.83	105.35	3371
2326.00	3320.32	3131.24	2692	2827	26.75	59.76	105.23	3435
2328.00	3324.68	3134.67	2693	2827	26.72	59.69	105.10	3330
2330.00	3329.91	3138.00	2694	2828	26.68	59.62	104.98	3606
2332.00	3333.49	3141.61	2694	2829	26.65	59.54	104.84	3436
2334.00	3337.95	3145.05	2695	2829	26.61	59.46	104.71	3442
2336.00	3342.22	3148.49	2696	2830	26.58	59.39	104.59	3374
2338.00	3346.51	3151.86	2696	2830	26.55	59.32	104.46	3412
2340.00	3350.94	3155.27	2697	2831	26.52	59.25	104.34	3193
2342.00	3354.90	3158.47	2697	2831	26.49	59.18	104.23	3442
2344.00	3359.27	3161.91	2698	2832	26.45	59.11	104.10	3407
2346.00	3363.71	3165.40	2699	2832	26.42	59.04	103.97	3407
2348.00	3368.04	3168.91	2699	2833	26.39	58.96	103.85	3677
2350.00	3372.71	3172.49	2700	2834	26.35	58.88	103.70	

TWO-WAY TRAVEL TIME FROM SRD MS	MEASURED DEPTH FROM KB M	VERTICAL DEPTH FROM SRD M	AVERAGE VELOCITY SRD/GRD M/S	RMS VELOCITY M/S	FIRST NORMAL MOVEOUT MS	SECOND NORMAL MOVEOUT MS	THIRD NORMAL MOVEOUT MS	INTERVAL VELOCITY M/S
								3628
2352.00	3377.31	3176.12	2701	2834	26.31	58.80	103.56	3613
2354.00	3381.90	3179.73	2702	2835	26.28	58.72	103.42	3593
2356.00	3386.45	3183.31	2702	2836	26.24	58.64	103.29	3586
2358.00	3390.73	3186.63	2703	2836	26.21	58.58	103.17	3549
2360.00	3395.23	3190.23	2704	2837	26.18	58.50	103.04	3530
2362.00	3399.72	3193.76	2704	2838	26.14	58.42	102.91	3664
2364.00	3404.34	3197.42	2705	2839	26.11	58.34	102.77	3353
2366.00	3408.57	3200.77	2706	2839	26.08	58.28	102.65	3553
2368.00	3413.06	3204.33	2706	2840	26.04	58.20	102.52	3498
2370.00	3417.47	3207.82	2707	2840	26.01	58.13	102.39	3558
2372.00	3421.96	3211.38	2708	2841	25.97	58.05	102.26	3634
2374.00	3426.55	3215.02	2709	2842	25.94	57.97	102.13	3566
2376.00	3431.05	3218.58	2709	2842	25.90	57.90	101.99	3835
2378.00	3435.89	3222.42	2710	2843	25.87	57.81	101.84	3697
2380.00	3440.56	3226.11	2711	2844	25.83	57.73	101.70	3632
2382.00	3445.14	3229.75	2712	2845	25.79	57.65	101.57	3667
2384.00	3449.77	3233.41	2713	2846	25.76	57.57	101.43	3471
2386.00	3454.15	3236.88	2713	2846	25.73	57.50	101.31	3515
2388.00	3458.59	3240.40	2714	2847	25.69	57.43	101.19	3580
2390.00	3463.11	3243.98	2715	2848	25.66	57.36	101.06	3655
2392.00	3467.72	3247.63	2715	2848	25.63	57.28	100.92	3443
2394.00	3472.07	3251.08	2716	2849	25.59	57.21	100.80	3640
2396.00	3476.66	3254.72	2717	2850	25.56	57.14	100.67	3022
2398.00	3480.48	3257.74	2717	2850	25.54	57.08	100.53	

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
								3817
2400.00	3485.30	3261.56	2718	2851	25.50	57.00	100.43	3731
2402.00	3490.01	3265.29	2719	2852	25.46	56.92	100.29	3809
2404.00	3494.81	3269.10	2720	2853	25.42	56.84	100.15	3815
2406.00	3499.63	3272.91	2721	2854	25.39	56.75	100.01	3791
2408.00	3504.38	3276.70	2722	2854	25.35	56.67	99.86	3702
2410.00	3509.01	3280.40	2722	2855	25.32	56.59	99.73	3870
2412.00	3513.86	3284.27	2723	2856	25.28	56.51	99.58	3532
2414.00	3518.28	3287.81	2724	2857	25.25	56.44	99.46	3700
2416.00	3522.91	3291.51	2725	2858	25.21	56.36	99.33	3954
2418.00	3527.86	3295.46	2726	2859	25.17	56.27	99.17	3453
2420.00	3532.18	3298.91	2726	2859	25.14	56.21	99.06	3715
2422.00	3536.93	3302.63	2727	2860	25.11	56.13	98.93	3582
2424.00	3541.32	3306.21	2728	2861	25.07	56.06	98.80	3698
2426.00	3545.95	3309.91	2729	2862	25.04	55.98	98.67	3759
2428.00	3550.65	3313.67	2730	2862	25.00	55.91	98.53	3665
2430.00	3555.24	3317.33	2730	2863	24.97	55.83	98.41	3681
2432.00	3559.85	3321.01	2731	2864	24.94	55.76	98.28	3411
2434.00	3564.12	3324.42	2732	2864	24.91	55.69	98.16	3503
2436.00	3568.51	3327.93	2732	2865	24.88	55.63	98.05	3918
2438.00	3573.41	3331.84	2733	2866	24.84	55.54	97.90	3711
2440.00	3578.06	3335.56	2734	2867	24.81	55.47	97.77	3975
2442.00	3583.03	3339.53	2735	2868	24.77	55.33	97.62	4731
2444.00	3588.96	3344.26	2737	2870	24.71	55.26	97.41	4731
2446.00	3594.88	3348.99	2738	2872	24.66	55.14	97.20	

TWO-WAY TRAVEL TIME FROM SRD MS	MEASURED DEPTH FROM KB M	VERTICAL DEPTH FROM SRD M	AVERAGE VELOCITY SRD/CSD M/S	RMS VELOCITY M/S	FIRST NORMAL MOVEOUT MS	SECOND NORMAL MOVEOUT MS	THIRD NORMAL MOVEOUT MS	INTERVAL VELOCITY M/S
								4526
2448.00	3600.54	3353.52	2740	2874	24.61	55.03	97.01	3690
2450.00	3605.11	3357.20	2741	2874	24.58	54.96	96.88	3583
2452.00	3609.56	3360.79	2741	2875	24.55	54.89	96.76	3761
2454.00	3614.23	3364.55	2742	2876	24.51	54.81	96.63	3914
2456.00	3619.03	3368.46	2743	2877	24.47	54.73	96.49	4231
2458.00	3624.34	3372.69	2744	2878	24.43	54.64	96.33	3553
2460.00	3628.74	3376.24	2745	2879	24.40	54.57	96.21	3613
2462.00	3633.23	3379.86	2746	2880	24.37	54.50	96.09	4200
2464.00	3639.44	3384.86	2747	2881	24.33	54.41	95.93	3652
2466.00	3642.97	3387.71	2748	2882	24.30	54.34	95.81	3662
2468.00	3647.52	3391.37	2748	2882	24.27	54.27	95.69	3645
2470.00	3652.04	3395.02	2749	2883	24.24	54.20	95.57	3640
2472.00	3656.56	3398.66	2750	2884	24.20	54.13	95.45	3598
2474.00	3661.03	3402.26	2750	2884	24.17	54.07	95.33	3506
2476.00	3665.49	3405.85	2751	2885	24.14	54.00	95.22	3390
2478.00	3669.70	3409.24	2752	2885	24.12	53.94	95.11	3498
2480.00	3674.04	3412.74	2752	2886	24.09	53.88	95.00	3865
2482.00	3678.84	3416.61	2753	2887	24.05	53.80	94.87	4330
2484.00	3684.21	3420.94	2754	2888	24.01	53.71	94.70	4665
2486.00	3690.00	3425.60	2756	2890	23.96	53.59	94.51	5144
2488.00	3696.39	3430.74	2758	2893	23.90	53.46	94.28	4326
2490.00	3702.37	3435.57	2759	2895	23.85	53.34	94.07	4229
2492.00	3707.60	3439.80	2761	2896	23.81	53.25	93.91	4526
2494.00	3713.21	3444.33	2762	2898	23.76	53.15	93.73	

TWO-WAY TRAVEL TIME FROM SRD MS	MEASURED DEPTH FROM KB M	VERTICAL DEPTH FROM SRD M	AVERAGE VELOCITY SRD/GED M/S	RMS VELOCITY M/S	FIRST NORMAL MOVEOUT MS	SECOND NORMAL MOVEOUT MS	THIRD NORMAL MOVEOUT MS	INTERVAL VELOCITY M/S
2496.00	3713.07	3448.25	2765	2899	23.73	53.07	93.60	3928
2498.00	3723.07	3452.29	2764	2900	23.69	52.99	93.46	4034
2500.00	3727.99	3456.27	2765	2901	23.65	52.91	93.32	3977
2502.00	3732.29	3459.74	2766	2901	23.63	52.85	93.22	3472
2504.00	3736.63	3463.25	2766	2902	23.60	52.79	93.11	3509
2506.00	3740.94	3466.73	2767	2902	23.57	52.73	93.01	3480
2508.00	3745.36	3470.30	2767	2903	23.55	52.67	92.90	3572
2510.00	3749.92	3473.98	2768	2904	23.52	52.61	92.79	3679
2512.00	3754.87	3477.98	2769	2905	23.48	52.53	92.65	4003
2514.00	3759.43	3481.66	2770	2905	23.46	52.46	92.53	3682
2516.00	3764.51	3485.76	2771	2907	23.41	52.38	92.39	4100
2518.00	3770.00	3490.20	2772	2908	23.37	52.28	92.23	4442
2520.00	3776.32	3495.31	2774	2911	23.31	52.16	92.01	5105
2522.00	3782.55	3500.34	2776	2913	23.26	52.04	91.79	5030
2524.00	3788.34	3505.01	2777	2915	23.21	51.93	91.61	4674
2526.00	3794.00	3509.58	2779	2916	23.17	51.83	91.44	4571
2528.00	3799.26	3513.84	2780	2918	23.13	51.75	91.29	4253
2530.00	3804.10	3517.74	2781	2919	23.10	51.67	91.16	3901
2532.00	3808.55	3521.33	2781	2919	23.07	51.61	91.06	3596
2534.00	3812.92	3524.86	2782	2920	23.04	51.55	90.95	3526
2536.00	3817.60	3528.64	2783	2920	23.01	51.49	90.84	3776
2538.00	3822.17	3532.32	2784	2921	22.98	51.42	90.73	3689
2540.00	3826.67	3535.96	2784	2922	22.95	51.36	90.62	3635
2542.00	3831.66	3539.98	2785	2923	22.92	51.29	90.49	4023

TWO-WAY TRAVEL TIME FROM SRD MS	MEASURED DEPTH FROM KB M	VERTICAL DEPTH FROM SRD M	AVERAGE VELOCITY SRD/SFD M/S	RMS VELOCITY M/S	FIRST NORMAL MOVEOUT MS	SECOND NORMAL MOVEOUT MS	THIRD NORMAL MOVEOUT MS	INTERVAL VELOCITY M/S
								5022
2544.00	3837.33	3545.00	2787	2925	22.37	51.17	90.38	5105
2546.00	3844.20	3550.11	2789	2927	22.31	51.05	90.07	4520
2548.00	3849.91	3554.63	2790	2929	22.27	50.96	89.81	3931
2550.00	3854.60	3558.56	2791	2930	22.24	50.88	89.72	4086
2552.00	3859.74	3562.65	2792	2931	22.21	50.81	89.65	3994
2554.00	3864.67	3566.63	2793	2932	22.17	50.74	89.52	3975
2556.00	3869.60	3570.61	2794	2933	22.14	50.66	89.40	4005
2558.00	3874.56	3574.61	2795	2934	22.11	50.59	89.27	3969
2560.00	3879.48	3578.59	2796	2935	22.08	50.52	89.15	4679
2562.00	3885.22	3583.26	2797	2937	22.03	50.42	88.98	4066
2564.00	3890.31	3587.32	2798	2938	22.00	50.35	88.85	4682
2566.00	3896.12	3592.01	2800	2939	21.95	50.25	88.67	4433
2568.00	3901.61	3596.44	2801	2941	21.91	50.16	88.52	

Synthetic Seismogram Table

ANALYST: Z.KATELIS 11-AUG-89 16:58:23 PROGRAM: GMULTP 006.E06

SYNTHETIC SEISMOGRAM TABLE

COMPANY : ESSO AUSTRALIA LTD.
WELL : BLACKBACK 1 (ST-1/ST-2)
FIELD : WILDCAT
COUNTRY : AUSTRALIA
REFERENCE: 56460
LOGGED : 16/6/89

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 :
GRFOO1- CHANNEL NAME FOR INPUT DENSITY LOG DATA
GTROO1- 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

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	555.110	M
INITIAL TWO WAY TRAVEL T	INITAU	.706000	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	3318.96	M/S
UNIFORM EARTH VELOCITY	UNERTH	1500.00	M/S
UNIFORM DENSITY VALUE	UNFDEN	2.30000	G/C3

(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	: 0	G/C3	0 -	0
USER VELOC (WST)	LAYVEL	: 1843.000	M/S	574.970 -	439.000
		1500.000		439.000	0

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
		2046	2.300					
708.0	557.16	2048	2.300	0	1.00000	.00049	.00049	0
710.0	559.20	2059	2.300	.003	.99999	.00262	.00262	0
712.0	561.26	2046	2.300	-.003	.99998	-.00312	-.00312	0
714.0	563.31	2029	2.300	-.004	.99997	-.00404	-.00404	0
716.0	565.34	2057	2.300	.007	.99992	.00673	.00675	.00002
718.0	567.39	2123	2.300	.016	.99967	.01573	.01573	0
720.0	569.52	2135	2.300	.003	.99967	.00297	.00289	-.00008
722.0	571.65	2087	2.300	-.011	.99954	-.01134	-.01140	-.00006
724.0	573.74	2099	2.300	.003	.99953	.00276	.00291	.00015
726.0	575.84	2086	2.300	-.003	.99952	-.00312	-.00297	.00015
728.0	577.93	2080	2.300	-.001	.99952	-.00145	-.00172	-.00027
730.0	580.01	2121	2.300	.010	.99942	.00987	.00952	-.00034
732.0	582.13	2076	2.300	-.011	.99930	-.01083	-.01077	.00006
734.0	584.20	2130	2.300	.013	.99914	.01285	.01309	.00024
736.0	586.33	2098	2.300	-.007	.99908	-.00749	-.00738	.00011
738.0	588.43	2082	2.300	-.004	.99907	-.00395	-.00403	-.00008
740.0	590.51	2090	2.300	.002	.99906	.00193	.00196	.00003
742.0	592.60	2120	2.300	.007	.99901	.00721	.00706	-.00015
744.0	594.72	2145	2.300	.006	.99898	.00588	.00587	-.00001
746.0	596.87	2170	2.300	.006	.99894	.00582	.00574	-.00008
748.0	599.04	2162	2.300	-.002	.99894	-.00199	-.00206	-.00007
750.0	601.20	2139	2.300	-.005	.99891	-.00518	-.00456	.00062
752.0	603.34	2155	2.300	.004	.99890	.00361	.00330	-.00031
754.0	605.49	2140	2.300	-.003	.99889	-.00343	-.00379	-.00036

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
756.0	607.63			.004	.99887	.00392	.00382	-.00010
		2157	2.300					
758.0	609.79			-.006	.99884	-.00590	-.00636	-.00046
		2132	2.300					
760.0	611.92			.011	.99871	.01118	.01178	.00060
		2180	2.300					
762.0	614.10			-.004	.99869	-.00416	-.00413	.00004
		2162	2.300					
764.0	616.27			.002	.99869	.00153	.00149	-.00004
		2169	2.300					
766.0	618.43			.006	.99866	.00574	.00573	-.00001
		2194	2.300					
768.0	620.63			.006	.99862	.00608	.00616	.00008
		2220	2.300					
770.0	622.85			-.004	.99861	-.00386	-.00421	-.00034
		2203	2.300					
772.0	625.05			-.002	.99860	-.00184	-.00184	0
		2195	2.300					
774.0	627.25			.003	.99859	.00337	.00340	.00002
		2210	2.300					
776.0	629.46			.005	.99856	.00512	.00535	.00023
		2233	2.300					
778.0	631.69			-.013	.99841	-.01260	-.01291	-.00031
		2177	2.300					
780.0	633.87			.004	.99839	.00417	.00366	-.00051
		2196	2.300					
782.0	636.06			.014	.99818	.01426	.01483	.00057
		2259	2.300					
784.0	638.32			.002	.99818	.00217	.00175	-.00042
		2269	2.300					
786.0	640.59			.009	.99810	.00875	.00891	.00016
		2309	2.300					
788.0	642.90			.008	.99804	.00767	.00738	-.00029
		2345	2.300					
790.0	645.25			-.006	.99801	-.00610	-.00543	.00068
		2316	2.300					
792.0	647.56			.010	.99791	.00992	.00973	-.00019
		2363	2.300					
794.0	649.92			-.011	.99780	-.01059	-.01117	-.00058
		2313	2.300					
796.0	652.24			-.005	.99777	-.00459	-.00489	-.00030
		2292	2.300					
798.0	654.53			-.009	.99770	-.00890	-.00889	.00001
		2252	2.300					
800.0	656.78			.009	.99762	.00885	.00855	-.00030
		2292	2.300					
802.0	659.07			.014	.99741	.01440	.01470	.00030
		2359	2.300					
804.0	661.43			-.002	.99740	-.00244	-.00297	-.00053

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
		2348	2.300					
806.0	663.78			.016	.99714	.01624	.01638	.00014
		2425	2.300					
808.0	666.21			-.001	.99714	-.00060	.00044	.00104
		2422	2.300					
810.0	668.63			-.006	.99710	-.00600	-.00674	-.00074
		2393	2.300					
812.0	671.02			.003	.99709	.00326	.00331	.00005
		2409	2.300					
814.0	673.43			-.007	.99704	-.00738	-.00787	-.00049
		2374	2.300					
816.0	675.80			-.002	.99703	-.00232	-.00266	-.00034
		2363	2.300					
818.0	678.17			.013	.99687	.01279	.01315	.00036
		2424	2.300					
820.0	680.59			.005	.99685	.00455	.00369	-.00086
		2446	2.300					
822.0	683.04			-.007	.99680	-.00672	-.00638	.00034
		2414	2.300					
824.0	685.45			-.002	.99680	-.00197	-.00220	-.00023
		2404	2.300					
826.0	687.85			-.006	.99676	-.00609	-.00590	.00019
		2375	2.300					
828.0	690.23			-.004	.99674	-.00401	-.00407	-.00006
		2356	2.300					
830.0	692.59			-.012	.99661	-.01167	-.01299	-.00132
		2301	2.300					
832.0	694.89			.011	.99648	.01105	.01202	.00097
		2353	2.300					
834.0	697.24			-.005	.99646	-.00472	-.00430	.00043
		2331	2.300					
836.0	699.57			.008	.99640	.00783	.00757	-.00026
		2368	2.300					
838.0	701.94			-.011	.99629	-.01069	-.01028	.00041
		2317	2.300					
840.0	704.26			.013	.99611	.01317	.01316	-.00002
		2379	2.300					
842.0	706.63			.003	.99610	.00276	.00180	-.00097
		2393	2.300					
844.0	709.03			-.002	.99610	-.00247	-.00253	-.00006
		2381	2.300					
846.0	711.41			-.005	.99608	-.00474	-.00572	-.00098
		2358	2.300					
848.0	713.77			.015	.99585	.01493	.01564	.00071
		2430	2.300					
850.0	716.20			.011	.99573	.01118	.01148	.00030
		2485	2.300					
852.0	718.68			-.005	.99570	-.00526	-.00555	-.00029
		2459	2.300					

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
854.0	721.14			.005	.99568	.00460	.00462	.00001
856.0	723.62	2482	2.300	-.008	.99562	-.00755	-.00774	-.00018
858.0	726.07	2445	2.300	-.002	.99561	-.00234	-.00171	.00063
860.0	728.50	2433	2.300	.005	.99559	.00457	.00301	-.00155
862.0	730.96	2456	2.300	.003	.99558	.00341	.00306	-.00035
864.0	733.43	2472	2.300	.003	.99557	.00321	.00322	.00001
866.0	735.92	2488	2.300	.014	.99538	.01373	.01428	.00054
868.0	738.48	2558	2.300	-.009	.99530	-.00894	-.00952	-.00059
870.0	740.99	2513	2.300	-.010	.99521	-.00964	-.00905	.00059
872.0	743.45	2464	2.300	.006	.99518	.00558	.00515	-.00042
874.0	745.94	2492	2.300	.002	.99518	.00150	.00209	.00059
876.0	748.44	2500	2.300	.006	.99514	.00581	.00531	-.00050
878.0	750.97	2529	2.300	-.001	.99514	-.00144	-.00257	-.00112
880.0	753.50	2522	2.300	.007	.99509	.00710	.00820	.00111
882.0	756.05	2558	2.300	.011	.99496	.01139	.01053	-.00087
884.0	758.67	2617	2.300	-.009	.99487	-.00929	-.00870	.00059
886.0	761.24	2569	2.300	-.014	.99468	-.01370	-.01531	-.00161
888.0	763.74	2499	2.300	.010	.99459	.00961	.00921	-.00040
890.0	766.29	2548	2.300	-.011	.99448	-.01065	-.01016	.00049
892.0	768.78	2494	2.300	.002	.99447	.00158	.00247	.00090
894.0	771.28	2502	2.300	.022	.99397	.02234	.02115	-.00119
896.0	773.90	2617	2.300	-.006	.99394	-.00580	-.00475	.00105
898.0	776.48	2586	2.300	-.021	.99349	-.02104	-.02061	.00043
900.0	778.96	2479	2.300	.005	.99346	.00536	.00443	-.00093
902.0	781.47	2506	2.300	.003	.99345	.00294	.00213	-.00080

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
		2521	2.300					
904.0	783.99	2535	2.300	.003	.99345	.00288	.00288	-.00001
906.0	786.52	2523	2.300	-.002	.99344	-.00235	-.00288	-.00053
908.0	789.05	2545	2.300	.004	.99342	.00413	.00497	.00084
910.0	791.59	2598	2.300	.010	.99332	.01034	.01179	.00145
912.0	794.19	2702	2.300	.020	.99294	.01939	.01861	-.00079
914.0	796.89	2659	2.300	-.008	.99287	-.00793	-.00792	.00001
916.0	799.55	2677	2.300	.003	.99286	.00330	.00240	-.00090
918.0	802.23	2623	2.300	-.010	.99276	-.01004	-.01128	-.00124
920.0	804.85	2658	2.300	.007	.99272	.00666	.00715	.00050
922.0	807.51	2697	2.300	.007	.99266	.00719	.00653	-.00066
924.0	810.21	2739	2.300	.008	.99260	.00773	.00791	.00018
926.0	812.95	2688	2.300	-.009	.99252	-.00936	-.00864	.00071
928.0	815.63	2658	2.300	-.006	.99248	-.00567	-.00590	-.00023
930.0	818.29	2660	2.300	0	.99248	.00045	.00009	-.00036
932.0	820.95	2563	2.300	-.019	.99214	-.01853	-.01841	.00012
934.0	823.51	2569	2.300	.001	.99214	.00115	-.00006	-.00121
936.0	826.08	2708	2.300	.026	.99144	.02625	.02565	-.00060
938.0	828.79	2739	2.300	.006	.99141	.00566	.00762	.00196
940.0	831.53	2773	2.300	.006	.99137	.00600	.00536	-.00064
942.0	834.30	2835	2.300	.011	.99125	.01096	.01075	-.00021
944.0	837.14	2562	2.300	-.050	.98873	-.05000	-.04954	.00046
946.0	839.70	2620	2.300	.011	.98861	.01103	.01086	-.00017
948.0	842.32	2436	2.300	-.036	.98729	-.03607	-.03876	-.00270
950.0	844.76	2604	2.300	.033	.98619	.03294	.03187	-.00108

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
952.0	847.36			.022	.98573	.02125	.02183	.00058
		2719	2.300					
954.0	850.08			.008	.98567	.00792	.00789	-.00002
		2763	2.300					
956.0	852.84			-.006	.98563	-.00598	-.00386	.00211
		2729	2.300					
958.0	855.57			.007	.98558	.00724	.00752	.00028
		2770	2.300					
960.0	858.34			-.001	.98558	-.00053	-.00020	.00033
		2767	2.300					
962.0	861.11			-.006	.98555	-.00587	-.00828	-.00241
		2734	2.300					
964.0	863.84			.005	.98552	.00462	.00315	-.00147
		2760	2.300					
966.0	866.60			.013	.98536	.01253	.01360	.00107
		2831	2.300					
968.0	869.43			.006	.98533	.00596	.00824	.00228
		2865	2.300					
970.0	872.30			-.011	.98522	-.01052	-.01321	-.00269
		2805	2.300					
972.0	875.10			-.006	.98519	-.00547	-.00184	.00363
		2774	2.300					
974.0	877.88			.001	.98518	.00127	-.00125	-.00252
		2781	2.300					
976.0	880.66			.003	.98518	.00262	.00185	-.00077
		2796	2.300					
978.0	883.45			0	.98518	-.00013	-.00241	-.00229
		2795	2.300					
980.0	886.25			-.028	.98439	-.02785	-.02725	.00060
		2641	2.300					
982.0	888.89			.004	.98438	.00364	.00492	.00128
		2661	2.300					
984.0	891.55			.003	.98436	.00343	.00565	.00223
		2680	2.300					
986.0	894.23			-.001	.98436	-.00107	-.00120	-.00013
		2674	2.300					
988.0	896.90			-.035	.98316	-.03447	-.03677	-.00231
		2493	2.300					
990.0	899.40			.047	.98100	.04600	.04501	-.00099
		2737	2.300					
992.0	902.13			.012	.98087	.01158	.01178	.00019
		2803	2.300					
994.0	904.94			-.008	.98080	-.00820	-.00834	-.00013
		2756	2.300					
996.0	907.69			-.010	.98070	-.01003	-.01203	-.00200
		2701	2.300					
998.0	910.39			-.023	.98018	-.02260	-.01884	.00376
		2579	2.300					
1000.0	912.97			-.019	.97984	-.01819	-.01901	-.00082

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
		2485	2.300					
1002.0	915.46			.025	.97924	.02423	.02406	-.00017
		2611	2.300					
1004.0	918.07			-.013	.97908	-.01260	-.01377	-.00117
		2545	2.300					
1006.0	920.61			.002	.97907	.00231	.00083	-.00149
		2557	2.300					
1008.0	923.17			-.047	.97639	-.04619	-.04554	.00065
		2326	2.300					
1010.0	925.50			-.011	.97677	-.01079	-.00994	.00085
		2276	2.300					
1012.0	927.77			.022	.97632	.02113	.02200	.00087
		2376	2.300					
1014.0	930.15			.015	.97611	.01430	.01191	-.00239
		2447	2.300					
1016.0	932.59			-.021	.97567	-.02071	-.02107	-.00036
		2345	2.300					
1018.0	934.94			.032	.97465	.03157	.03142	-.00015
		2502	2.300					
1020.0	937.44			.060	.97112	.05861	.06019	.00158
		2822	2.300					
1022.0	940.26			.007	.97108	.00671	.00703	.00032
		2861	2.300					
1024.0	943.13			-.001	.97107	-.00121	-.00053	.00068
		2854	2.300					
1026.0	945.98			-.043	.96927	-.04183	-.04110	.00073
		2618	2.300					
1028.0	948.60			.016	.96903	.01527	.01783	.00256
		2702	2.300					
1030.0	951.30			.025	.96844	.02391	.02070	-.00321
		2839	2.300					
1032.0	954.14			-.008	.96837	-.00821	-.01113	-.00291
		2791	2.300					
1034.0	956.93			.007	.96832	.00690	.00872	.00182
		2831	2.300					
1036.0	959.76			.007	.96827	.00710	.00415	-.00295
		2873	2.300					
1038.0	962.64			-.044	.96640	-.04261	-.04060	.00200
		2631	2.300					
1040.0	965.27			.048	.96416	.04652	.04833	.00181
		2897	2.300					
1042.0	968.16			-.011	.96404	-.01077	-.01195	-.00118
		2833	2.300					
1044.0	971.00			-.016	.96380	-.01501	-.01019	.00482
		2746	2.300					
1046.0	973.74			-.001	.96380	-.00055	-.00176	-.00121
		2743	2.300					
1048.0	976.49			-.023	.96331	-.02172	-.02411	-.00239
		2622	2.300					

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
1050.0	979.11			-.051	.96083	-.04889	-.04780	.00109
		2369	2.300					
1052.0	981.48			.009	.96075	.00881	.00197	-.00684
		2413	2.300					
1054.0	983.89			.023	.96023	.02226	.02281	.00056
		2527	2.300					
1056.0	986.42			.020	.95985	.01918	.02182	.00264
		2630	2.300					
1058.0	989.05			.052	.95722	.05030	.04946	-.00084
		2921	2.300					
1060.0	991.97			.008	.95716	.00749	.00923	.00174
		2967	2.300					
1062.0	994.93			-.006	.95712	-.00621	.00066	.00687
		2929	2.300					
1064.0	997.86			-.009	.95704	-.00831	-.01236	-.00406
		2878	2.300					
1066.0	1000.74			-.003	.95703	-.00322	-.00207	.00115
		2859	2.300					
1068.0	1003.60			-.006	.95700	-.00540	-.01031	-.00491
		2827	2.300					
1070.0	1006.43			-.002	.95700	-.00181	-.00424	-.00243
		2816	2.300					
1072.0	1009.24			.006	.95697	.00539	.00408	-.00130
		2848	2.300					
1074.0	1012.09			-.010	.95687	-.00991	-.00236	.00755
		2790	2.300					
1076.0	1014.88			.005	.95684	.00486	.00281	-.00206
		2818	2.300					
1078.0	1017.70			-.007	.95679	-.00681	-.00369	.00313
		2779	2.300					
1080.0	1020.48			.011	.95668	.01036	.00712	-.00324
		2839	2.300					
1082.0	1023.32			0	.95668	-.00039	-.00176	-.00137
		2837	2.300					
1084.0	1026.16			-.006	.95665	-.00540	-.00345	.00196
		2805	2.300					
1086.0	1028.96			.001	.95665	.00122	.00305	.00184
		2812	2.300					
1088.0	1031.77			.008	.95659	.00773	.00947	.00173
		2858	2.300					
1090.0	1034.63			.005	.95657	.00436	.00467	.00031
		2884	2.300					
1092.0	1037.52			.007	.95651	.00712	.00956	.00244
		2928	2.300					
1094.0	1040.44			-.012	.95638	-.01121	-.01613	-.00492
		2860	2.300					
1096.0	1043.30			.007	.95634	.00647	.00214	-.00433
		2899	2.300					
1098.0	1046.20			.002	.95634	.00151	-.00195	-.00346

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
		2908	2.300					
1100.0	1049.11			.002	.95633	.00176	.00214	.00038
		2919	2.300					
1102.0	1052.03			.029	.95550	.02813	.02963	.00149
		3096	2.300					
1104.0	1055.12			-.032	.95454	-.03038	-.02699	.00339
		2905	2.300					
1106.0	1058.03			.002	.95454	.00177	.00342	.00165
		2916	2.300					
1108.0	1060.94			-.013	.95438	-.01223	-.01135	.00087
		2842	2.300					
1110.0	1063.79			.013	.95421	.01260	.01047	-.00213
		2918	2.300					
1112.0	1066.70			.018	.95389	.01745	.01662	-.00082
		3027	2.300					
1114.0	1069.73			-.009	.95382	-.00858	-.00748	.00110
		2973	2.300					
1116.0	1072.70			-.001	.95381	-.00127	-.00482	-.00354
		2965	2.300					
1118.0	1075.67			-.012	.95367	-.01178	-.01072	.00106
		2892	2.300					
1120.0	1078.56			.012	.95354	.01101	.00912	-.00189
		2960	2.300					
1122.0	1081.52			-.020	.95316	-.01902	-.01641	.00261
		2844	2.300					
1124.0	1084.36			.008	.95310	.00766	.00377	-.00389
		2890	2.300					
1126.0	1087.25			.009	.95303	.00822	.00663	-.00158
		2940	2.300					
1128.0	1090.19			.014	.95284	.01334	.01505	.00172
		3024	2.300					
1130.0	1093.22			-.009	.95277	-.00828	-.00688	.00140
		2972	2.300					
1132.0	1096.19			.001	.95277	.00083	.00333	.00250
		2977	2.300					
1134.0	1099.17			-.001	.95277	-.00096	-.00297	-.00201
		2971	2.300					
1136.0	1102.14			.005	.95275	.00484	.00237	-.00247
		3001	2.300					
1138.0	1105.14			-.006	.95271	-.00587	-.00536	.00051
		2965	2.300					
1140.0	1108.10			.009	.95264	.00812	.00195	-.00617
		3015	2.300					
1142.0	1111.12			.011	.95252	.01086	.01413	.00327
		3085	2.300					
1144.0	1114.20			-.006	.95248	-.00580	.00098	.00678
		3048	2.300					
1146.0	1117.25			-.008	.95242	-.00788	-.00667	.00121
		2998	2.300					

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
1148.0	1120.25			.013	.95224	.01284	.01299	.00015
		3080	2.300					
1150.0	1123.33			-.012	.95210	-.01180	-.00675	.00506
		3004	2.300					
1152.0	1126.33			.014	.95191	.01334	.01177	-.00157
		3090	2.300					
1154.0	1129.42			.008	.95185	.00756	.00391	-.00365
		3139	2.300					
1156.0	1132.56			-.001	.95185	-.00094	-.00485	-.00391
		3133	2.300					
1158.0	1135.69			.001	.95185	.00070	.00133	.00063
		3137	2.300					
1160.0	1138.83			.002	.95185	.00144	.00032	-.00112
		3147	2.300					
1162.0	1141.98			-.010	.95176	-.00914	-.00614	.00300
		3087	2.300					
1164.0	1145.07			-.016	.95152	-.01493	-.01591	-.00098
		2992	2.300					
1166.0	1148.06			.013	.95136	.01230	.00649	-.00582
		3070	2.300					
1168.0	1151.13			-.008	.95130	-.00770	-.00402	.00368
		3021	2.300					
1170.0	1154.15			-.006	.95127	-.00583	-.01026	-.00443
		2984	2.300					
1172.0	1157.13			.034	.95019	.03206	.02693	-.00513
		3192	2.300					
1174.0	1160.33			-.002	.95018	-.00176	.00423	.00600
		3180	2.300					
1176.0	1163.51			.022	.94973	.02063	.02408	.00345
		3322	2.300					
1178.0	1166.83			-.005	.94971	-.00486	-.00571	-.00085
		3288	2.300					
1180.0	1170.12			-.026	.94906	-.02477	-.02301	.00176
		3121	2.300					
1182.0	1173.24			-.010	.94898	-.00904	-.01034	-.00130
		3062	2.300					
1184.0	1176.30			-.004	.94896	-.00357	-.00034	.00323
		3039	2.300					
1186.0	1179.34			.012	.94883	.01108	.00998	-.00110
		3111	2.300					
1188.0	1182.45			.007	.94879	.00671	-.00114	-.00785
		3155	2.300					
1190.0	1185.60			.009	.94870	.00888	.00851	-.00037
		3214	2.300					
1192.0	1188.82			-.019	.94835	-.01842	-.01015	.00828
		3092	2.300					
1194.0	1191.91			.001	.94835	.00106	.00029	-.00078
		3099	2.300					
1196.0	1195.01			.033	.94730	.03144	.02696	-.00448

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
		3311	2.300					
1198.0	1198.32			-.005	.94728	-.00428	-.00095	.00333
		3282	2.300					
1200.0	1201.60			.002	.94728	.00231	-.00449	-.00680
		3298	2.300					
1202.0	1204.90			-.007	.94724	-.00635	-.00524	.00111
		3254	2.300					
1204.0	1208.15			.001	.94724	.00050	.00983	.00933
		3257	2.300					
1206.0	1211.41			-.007	.94719	-.00660	-.01196	-.00535
		3212	2.300					
1208.0	1214.62			-.001	.94719	-.00071	-.00331	-.00260
		3207	2.300					
1210.0	1217.83			-.010	.94710	-.00933	-.00707	.00225
		3145	2.300					
1212.0	1220.97			.005	.94708	.00429	.00421	-.00008
		3173	2.300					
1214.0	1224.15			.010	.94698	.00974	.01092	.00118
		3239	2.300					
1216.0	1227.39			-.005	.94695	-.00512	-.00473	.00038
		3205	2.300					
1218.0	1230.59			-.006	.94692	-.00545	-.00864	-.00319
		3168	2.300					
1220.0	1233.76			0	.94692	-.00027	.00498	.00525
		3166	2.300					
1222.0	1236.92			.007	.94687	.00665	.00261	-.00404
		3211	2.300					
1224.0	1240.14			.017	.94661	.01570	.01529	-.00041
		3319	2.300					
1226.0	1243.45			-.017	.94633	-.01641	-.02024	-.00382
		3206	2.300					
1228.0	1246.66			.014	.94615	.01282	.01356	.00074
		3294	2.300					
1230.0	1249.95			.010	.94605	.00983	.00765	-.00218
		3363	2.300					
1232.0	1253.32			-.020	.94569	-.01853	-.01038	.00815
		3234	2.300					
1234.0	1256.55			.020	.94531	.01889	.01325	-.00564
		3366	2.300					
1236.0	1259.92			-.037	.94402	-.03490	-.04278	-.00789
		3126	2.300					
1238.0	1263.04			.018	.94370	.01739	.02016	.00277
		3243	2.300					
1240.0	1266.29			.019	.94336	.01796	.02404	.00608
		3369	2.300					
1242.0	1269.66			.009	.94328	.00861	.00452	-.00410
		3431	2.300					
1244.0	1273.09			-.009	.94320	-.00873	-.00135	.00738
		3369	2.300					

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
1246.0	1276.46			-.024	.94264	-.02299	-.02921	-.00621
		3208	2.300					
1248.0	1279.66			.006	.94260	.00584	.00854	.00270
		3248	2.300					
1250.0	1282.91			.006	.94257	.00544	.00172	-.00372
		3286	2.300					
1252.0	1286.20			0	.94257	.00029	-.00249	-.00278
		3288	2.300					
1254.0	1289.49			-.010	.94248	-.00922	-.00959	-.00037
		3224	2.300					
1256.0	1292.71			.010	.94238	.00959	.01964	.01005
		3291	2.300					
1258.0	1296.00			-.002	.94238	-.00207	-.00344	-.00137
		3276	2.300					
1260.0	1299.28			-.002	.94238	-.00198	.00309	.00507
		3262	2.300					
1262.0	1302.54			.022	.94191	.02090	.01727	-.00363
		3410	2.300					
1264.0	1305.95			-.003	.94190	-.00279	-.00709	-.00430
		3390	2.300					
1266.0	1309.34			-.027	.94124	-.02508	-.02537	-.00029
		3214	2.300					
1268.0	1312.55			.010	.94115	.00922	.00728	-.00194
		3278	2.300					
1270.0	1315.83			-.002	.94114	-.00160	-.00213	-.00052
		3267	2.300					
1272.0	1319.10			.014	.94096	.01304	.01222	-.00082
		3358	2.300					
1274.0	1322.46			-.016	.94073	-.01495	-.01847	-.00352
		3253	2.300					
1276.0	1325.71			-.007	.94068	-.00664	-.01243	-.00579
		3208	2.300					
1278.0	1328.92			.005	.94065	.00511	.01066	.00555
		3243	2.300					
1280.0	1332.16			0	.94065	-.00038	-.00201	-.00163
		3240	2.300					
1282.0	1335.40			.015	.94044	.01420	.01991	.00571
		3340	2.300					
1284.0	1338.74			-.008	.94038	-.00749	-.00510	.00239
		3287	2.300					
1286.0	1342.03			-.006	.94035	-.00520	-.00855	-.00335
		3251	2.300					
1288.0	1345.28			.003	.94034	.00251	-.00370	-.00621
		3268	2.300					
1290.0	1348.55			0	.94034	.00014	-.01010	-.01025
		3269	2.300					
1292.0	1351.82			.002	.94034	.00165	.00722	.00557
		3281	2.300					
1294.0	1355.10			.002	.94033	.00231	.01496	.01264

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
		3297	2.300					
1296.0	1358.39			0	.94033	-.00027	.00307	.00335
		3295	2.300					
1298.0	1361.69			.009	.94026	.00851	.00580	-.00271
		3355	2.300					
1300.0	1365.04			.002	.94025	.00201	.00284	.00083
		3369	2.300					
1302.0	1368.41			-.003	.94024	-.00265	-.00816	-.00551
		3351	2.300					
1304.0	1371.76			-.006	.94021	-.00577	-.00502	.00074
		3310	2.300					
1306.0	1375.07			.002	.94020	.00195	-.00479	-.00674
		3323	2.300					
1308.0	1378.40			-.002	.94020	-.00227	-.00637	-.00410
		3307	2.300					
1310.0	1381.70			.002	.94020	.00150	.00767	.00617
		3318	2.300					
1312.0	1385.02			-.001	.94020	-.00106	.00542	.00647
		3311	2.300					
1314.0	1388.33			.017	.93993	.01572	.01691	.00119
		3423	2.300					
1316.0	1391.76			-.001	.93993	-.00117	-.00554	-.00437
		3415	2.300					
1318.0	1395.17			-.004	.93992	-.00335	-.00798	-.00464
		3390	2.300					
1320.0	1398.56			.003	.93991	.00286	.00039	-.00248
		3411	2.300					
1322.0	1401.97			0	.93991	-.00016	.02134	.02150
		3410	2.300					
1324.0	1405.38			.005	.93989	.00468	-.00416	-.00884
		3444	2.300					
1326.0	1408.83			.002	.93988	.00163	-.00270	-.00433
		3456	2.300					
1328.0	1412.28			.001	.93988	.00115	.00457	.00342
		3464	2.300					
1330.0	1415.75			.007	.93984	.00625	.00321	-.00304
		3511	2.300					
1332.0	1419.26			-.002	.93984	-.00188	-.00218	-.00031
		3497	2.300					
1334.0	1422.75			.002	.93983	.00205	.00591	.00385
		3512	2.300					
1336.0	1426.27			-.004	.93982	-.00404	-.00989	-.00585
		3482	2.300					
1338.0	1429.75			-.006	.93978	-.00601	-.00363	.00238
		3438	2.300					
1340.0	1433.19			-.005	.93975	-.00462	-.00010	.00452
		3404	2.300					
1342.0	1436.59			-.001	.93975	-.00138	-.01687	-.01550
		3394	2.300					

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
1344.0	1439.98			0	.93975	-.00001	.00224	.00225
1346.0	1443.38	3394	2.300	.001	.93975	.00059	-.00350	-.00403
1348.0	1446.78	3398	2.300	.006	.93971	.00608	.00621	.00013
1350.0	1450.22	3443	2.300	-.002	.93971	-.00146	.00595	.00740
1352.0	1453.65	3432	2.300	-.007	.93966	-.00663	-.00528	.00135
1354.0	1457.04	3384	2.300	-.003	.93965	-.00311	-.00721	-.00410
1356.0	1460.40	3362	2.300	-.004	.93964	-.00383	-.00043	.00340
1358.0	1463.73	3334	2.300	-.010	.93954	-.00951	-.01304	-.00353
1360.0	1467.00	3268	2.300	.008	.93948	.00771	.01235	.00464
1362.0	1470.32	3322	2.300	.003	.93947	.00323	.01210	.00887
1364.0	1473.66	3344	2.300	-.001	.93947	-.00096	-.00258	-.00162
1366.0	1477.00	3338	2.300	.016	.93923	.01487	.02123	.00636
1368.0	1480.45	3445	2.300	-.002	.93923	-.00171	-.00679	-.00508
1370.0	1483.88	3432	2.300	-.013	.93906	-.01264	-.02080	-.00817
1372.0	1487.22	3341	2.300	.010	.93897	.00916	.00157	-.00759
1374.0	1490.63	3407	2.300	-.012	.93882	-.01163	-.01082	.00081
1376.0	1493.95	3324	2.300	.008	.93876	.00783	.00652	-.00131
1378.0	1497.33	3380	2.300	-.001	.93876	-.00134	.00394	.00527
1380.0	1500.70	3370	2.300	.002	.93875	.00206	.00503	.00297
1382.0	1504.09	3385	2.300	.005	.93872	.00514	-.00028	-.00542
1384.0	1507.51	3422	2.300	.005	.93870	.00454	.01013	.00560
1386.0	1510.96	3455	2.300	.004	.93869	.00349	.00122	-.00227
1388.0	1514.45	3481	2.300	.003	.93868	.00245	-.00100	-.00344
1390.0	1517.95	3499	2.300	-.015	.93848	-.01380	-.01159	.00221
1392.0	1521.34	3398	2.300	-.011	.93836	-.01068	-.01123	-.00056

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
		3322	2.300					
1394.0	1524.66			0	.93836	-.00028	-.00246	-.00218
		3320	2.300					
1396.0	1527.98			.003	.93835	.00302	.00169	-.00133
		3341	2.300					
1398.0	1531.33			-.003	.93834	-.00303	.00008	.00311
		3320	2.300					
1400.0	1534.64			-.003	.93833	-.00322	-.00059	.00263
		3297	2.300					
1402.0	1537.94			.008	.93827	.00753	.01314	.00560
		3350	2.300					
1404.0	1541.29			-.002	.93826	-.00203	-.00357	-.00154
		3336	2.300					
1406.0	1544.63			.006	.93823	.00593	-.00261	-.00853
		3378	2.300					
1408.0	1548.01			.017	.93795	.01615	.01496	-.00119
		3497	2.300					
1410.0	1551.50			.011	.93783	.01061	.00900	-.00162
		3577	2.300					
1412.0	1555.08			.011	.93771	.01049	.01100	.00052
		3657	2.300					
1414.0	1558.74			-.028	.93698	-.02619	-.02205	.00413
		3459	2.300					
1416.0	1562.20			.003	.93697	.00278	-.00092	-.00370
		3479	2.300					
1418.0	1565.67			.013	.93682	.01207	.01724	.00518
		3570	2.300					
1420.0	1569.24			-.005	.93679	-.00454	-.00751	-.00297
		3536	2.300					
1422.0	1572.78			.015	.93657	.01436	.01948	.00512
		3646	2.300					
1424.0	1576.43			-.028	.93586	-.02590	-.03016	-.00426
		3450	2.300					
1426.0	1579.88			-.002	.93585	-.00214	-.00715	-.00501
		3434	2.300					
1428.0	1583.31			.004	.93584	.00354	.00638	.00284
		3460	2.300					
1430.0	1586.77			.003	.93583	.00293	.00580	.00286
		3482	2.300					
1432.0	1590.25			-.002	.93583	-.00158	-.00047	.00111
		3470	2.300					
1434.0	1593.72			.001	.93583	.00085	.00539	.00454
		3476	2.300					
1436.0	1597.20			-.006	.93579	-.00559	-.00984	-.00425
		3435	2.300					
1438.0	1600.63			.004	.93578	.00401	.00499	.00098
		3464	2.300					
1440.0	1604.10			.001	.93577	.00086	-.00105	-.00190
		3471	2.300					

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
1442.0	1607.57			.002	.93577	.00191	.00277	.00086
1444.0	1611.05	3485	2.300	.004	.93576	.00369	.00011	-.00358
1446.0	1614.57	3513	2.300	-.001	.93575	-.00100	.00221	.00321
1448.0	1618.07	3505	2.300	.004	.93574	.00386	0	-.00386
1450.0	1621.60	3534	2.300	.011	.93564	.00984	.01029	.00045
1452.0	1625.21	3609	2.300	.008	.93557	.00788	.01306	.00518
1454.0	1628.88	3671	2.300	.015	.93536	.01388	.01502	.00114
1456.0	1632.66	3781	2.300	-.025	.93478	-.02344	-.02577	-.00232
1458.0	1636.26	3596	2.300	.002	.93477	.00150	-.00254	-.00403
1460.0	1639.87	3608	2.300	-.009	.93470	-.00832	-.00701	.00132
1462.0	1643.41	3544	2.300	-.025	.93412	-.02321	-.02953	-.00632
1464.0	1646.79	3372	2.300	.010	.93403	.00922	.01137	.00215
1466.0	1650.22	3440	2.300	.013	.93388	.01188	.00927	-.00261
1468.0	1653.75	3528	2.300	-.012	.93374	-.01136	-.00880	.00257
1470.0	1657.20	3443	2.300	.001	.93374	.00110	.00574	.00464
1472.0	1660.65	3451	2.300	-.001	.93374	-.00085	-.00224	-.00140
1474.0	1664.09	3445	2.300	0	.93374	-.00001	-.00277	-.00277
1476.0	1667.54	3445	2.300	-.003	.93373	-.00245	.00216	.00461
1478.0	1670.97	3427	2.300	.022	.93328	.02064	.02138	.00075
1480.0	1674.55	3582	2.300	.020	.93291	.01854	.02047	.00193
1482.0	1678.27	3727	2.300	-.012	.93277	-.01123	-.01694	-.00571
1484.0	1681.91	3639	2.300	.019	.93244	.01756	.01540	-.00216
1486.0	1685.69	3778	2.300	-.018	.93214	-.01672	-.01538	.00134
1488.0	1689.34	3645	2.300	.011	.93203	.01034	.00582	-.00452
1490.0	1693.06	3727	2.300	-.007	.93198	-.00643	-.00485	.00158

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
		3676	2.300					
1492.0	1696.74	3578	2.300	-.013	.93182	-.01256	-.01301	-.00045
1494.0	1700.32	3690	2.300	.015	.93159	.01435	.01874	.00439
1496.0	1704.01	3646	2.300	-.006	.93156	-.00562	-.00288	.00274
1498.0	1707.65	3633	2.300	-.002	.93156	-.00162	.00378	.00539
1500.0	1711.29	3577	2.300	-.008	.93150	-.00726	-.01340	-.00614
1502.0	1714.86	3533	2.300	-.006	.93147	-.00578	-.01067	-.00489
1504.0	1718.40	3469	2.300	-.009	.93139	-.00853	-.00453	.00399
1506.0	1721.87	3547	2.300	.011	.93127	.01036	.01038	.00001
1508.0	1725.41	3513	2.300	-.005	.93125	-.00440	-.01484	-.01044
1510.0	1728.93	3542	2.300	.004	.93124	.00370	.00536	.00166
1512.0	1732.47	3538	2.300	-.001	.93124	-.00052	-.00397	-.00345
1514.0	1736.01	3432	2.300	-.015	.93102	-.01415	-.00729	.00686
1516.0	1739.44	3369	2.300	-.009	.93094	-.00857	-.00114	.00742
1518.0	1742.81	3322	2.300	-.007	.93090	-.00659	-.01375	-.00716
1520.0	1746.13	3412	2.300	.013	.93073	.01241	.01599	.00358
1522.0	1749.54	3413	2.300	0	.93073	.00026	.00080	.00054
1524.0	1752.95	3434	2.300	.003	.93072	.00278	-.00558	-.00836
1526.0	1756.39	3504	2.300	.010	.93062	.00947	.00894	-.00054
1528.0	1759.89	3568	2.300	.009	.93055	.00832	.00338	-.00494
1530.0	1763.46	3580	2.300	.002	.93055	.00165	.00583	.00418
1532.0	1767.04	3577	2.300	-.001	.93055	-.00048	.01048	.01095
1534.0	1770.62	3567	2.300	-.001	.93055	-.00121	-.00314	-.00193
1536.0	1774.18	3855	2.300	.039	.92915	.03607	.03681	.00073
1538.0	1778.04	3629	2.300	-.030	.92830	-.02813	-.03360	-.00546

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
1540.0	1781.67			-.005	.92827	-.00456	-.00077	.00379
1542.0	1785.26	3593	2.300	.036	.92706	.03362	.03586	.00223
1544.0	1789.12	3863	2.300	.008	.92699	.00786	.01110	.00325
1546.0	1793.05	3929	2.300	.008	.92693	.00711	-.00105	-.00815
1548.0	1797.04	3990	2.300	-.023	.92643	-.02156	-.03187	-.01031
1550.0	1800.85	3808	2.300	-.007	.92638	-.00674	.00339	.01012
1552.0	1804.60	3753	2.300	.022	.92592	.02064	.02071	.00007
1554.0	1808.53	3924	2.300	-.025	.92535	-.02306	-.02801	-.00495
1556.0	1812.26	3734	2.300	.003	.92534	.00305	-.00123	-.00428
1558.0	1816.02	3758	2.300	.035	.92424	.03195	.03718	.00524
1560.0	1820.05	4027	2.300	-.013	.92408	-.01193	-.00180	.01013
1562.0	1823.97	3925	2.300	-.007	.92404	-.00601	-.00792	-.00191
1564.0	1827.85	3874	2.300	-.044	.92226	-.04057	-.04453	-.00396
1566.0	1831.39	3548	2.300	-.004	.92225	-.00335	-.00261	.00074
1568.0	1834.92	3522	2.300	.026	.92164	.02377	.01857	-.00521
1570.0	1838.62	3709	2.300	.009	.92155	.00874	.00935	.00061
1572.0	1842.40	3780	2.300	0	.92155	-.00022	.00212	.00234
1574.0	1846.18	3778	2.300	-.012	.92141	-.01139	-.00911	.00228
1576.0	1849.87	3686	2.300	.017	.92115	.01552	.01354	-.00199
1578.0	1853.68	3812	2.300	-.001	.92115	-.00136	-.00628	-.00492
1580.0	1857.48	3801	2.300	-.002	.92115	-.00201	-.00614	-.00413
1582.0	1861.26	3784	2.300	-.008	.92109	-.00709	-.00661	.00048
1584.0	1864.99	3726	2.300	-.016	.92085	-.01482	-.01045	.00438
1586.0	1868.60	3608	2.300	-.012	.92073	-.01085	-.01336	-.00252
1588.0	1872.12	3524	2.300	.007	.92068	.00661	.01837	.01176

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	2.300					
1590.0	1875.70			.029	.91989	.02698	.01725	-.00973
		3791	2.300					
1592.0	1879.49			-.016	.91965	-.01468	-.01322	.00147
		3672	2.300					
1594.0	1883.16			.002	.91965	.00175	-.00037	-.00212
		3686	2.300					
1596.0	1886.85			-.003	.91964	-.00270	-.00954	-.00684
		3664	2.300					
1598.0	1890.51			-.003	.91963	-.00250	.00278	.00529
		3644	2.300					
1600.0	1894.16			.003	.91963	.00253	.00920	.00666
		3665	2.300					
1602.0	1897.82			.004	.91961	.00346	.01003	.00657
		3692	2.300					
1604.0	1901.51			.004	.91960	.00322	.00739	.00416
		3718	2.300					
1606.0	1905.23			.004	.91959	.00352	-.00431	-.00783
		3747	2.300					
1608.0	1908.98			.006	.91955	.00578	.00099	-.00480
		3794	2.300					
1610.0	1912.77			-.022	.91912	-.01999	-.02268	-.00269
		3633	2.300					
1612.0	1916.41			.016	.91888	.01469	.01012	-.00457
		3751	2.300					
1614.0	1920.16			-.002	.91888	-.00227	-.00014	.00213
		3732	2.300					
1616.0	1923.89			-.012	.91874	-.01116	-.00816	.00300
		3643	2.300					
1618.0	1927.53			-.004	.91873	-.00352	-.00583	-.00231
		3615	2.300					
1620.0	1931.15			.001	.91873	.00059	.00101	.00042
		3620	2.300					
1622.0	1934.77			.003	.91872	.00265	.00524	.00259
		3641	2.300					
1624.0	1938.41			.002	.91872	.00207	-.00165	-.00373
		3657	2.300					
1626.0	1942.06			-.001	.91872	-.00074	.00129	.00203
		3651	2.300					
1628.0	1945.72			.012	.91859	.01084	.00849	-.00236
		3738	2.300					
1630.0	1949.45			-.007	.91854	-.00673	-.00334	.00339
		3684	2.300					
1632.0	1953.14			.005	.91851	.00493	.00547	.00055
		3724	2.300					
1634.0	1956.86			.001	.91851	.00127	-.00162	-.00289
		3734	2.300					
1636.0	1960.60			-.003	.91850	-.00313	-.00668	-.00355
		3709	2.300					

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
1638.0	1964.30			-.003	.91849	-.00232	-.00471	-.00239
		3690	2.300					
1640.0	1967.99			-.005	.91847	-.00500	-.00114	.00386
		3650	2.300					
1642.0	1971.64			-.001	.91847	-.00099	-.00077	.00022
		3642	2.300					
1644.0	1975.29			-.001	.91847	-.00084	-.00313	-.00228
		3636	2.300					
1646.0	1978.92			-.009	.91839	-.00814	-.00968	-.00153
		3572	2.300					
1648.0	1982.49			.005	.91837	.00436	.00074	-.00362
		3606	2.300					
1650.0	1986.10			.007	.91833	.00651	.01642	.00991
		3657	2.300					
1652.0	1989.76			-.001	.91833	-.00068	-.00746	-.00678
		3652	2.300					
1654.0	1993.41			-.005	.91830	-.00491	-.00174	.00317
		3613	2.300					
1656.0	1997.02			-.001	.91830	-.00081	-.00335	-.00254
		3607	2.300					
1658.0	2000.63			-.002	.91829	-.00193	.00308	.00501
		3591	2.300					
1660.0	2004.22			-.009	.91823	-.00782	.00045	.00827
		3531	2.300					
1662.0	2007.75			-.003	.91822	-.00275	-.01263	-.00988
		3510	2.300					
1664.0	2011.26			.004	.91821	.00358	.00391	.00033
		3537	2.300					
1666.0	2014.80			-.005	.91818	-.00447	-.00620	-.00173
		3503	2.300					
1668.0	2018.30			-.006	.91815	-.00524	-.00461	.00062
		3463	2.300					
1670.0	2021.76			-.011	.91803	-.01053	-.00913	.00139
		3385	2.300					
1672.0	2025.15			.014	.91785	.01309	.01527	.00218
		3482	2.300					
1674.0	2028.63			.003	.91784	.00264	.00088	-.00176
		3503	2.300					
1676.0	2032.13			.006	.91781	.00545	.00631	.00086
		3544	2.300					
1678.0	2035.68			.005	.91779	.00440	.00160	-.00281
		3579	2.300					
1680.0	2039.26			.003	.91778	.00276	.00393	.00118
		3600	2.300					
1682.0	2042.86			-.013	.91763	-.01162	-.01199	-.00037
		3510	2.300					
1684.0	2046.37			.011	.91753	.00981	.00607	-.00375
		3586	2.300					
1686.0	2049.95			.011	.91740	.01054	.01274	.00220

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
		3669	2.300					
1688.0	2053.62	3627	2.300	-.006	.91737	-.00532	-.00826	-.00294
1690.0	2057.25	3604	2.300	-.003	.91736	-.00293	-.00421	-.00128
1692.0	2060.85	3517	2.300	-.012	.91723	-.01114	.00208	.01322
1694.0	2064.37	3244	2.300	-.040	.91573	-.03704	-.04805	-.01101
1696.0	2067.61	3517	2.300	.040	.91424	.03695	.03414	-.00281
1698.0	2071.13	3268	2.300	-.037	.91301	-.03359	-.03046	.00313
1700.0	2074.40	3408	2.300	.021	.91261	.01911	.01229	-.00682
1702.0	2077.81	3294	2.300	-.017	.91235	-.01543	-.01679	-.00136
1704.0	2081.10	3396	2.300	.015	.91214	.01382	.02229	.00847
1706.0	2084.50	3600	2.300	.029	.91136	.02667	.03017	.00350
1708.0	2088.10	3603	2.300	0	.91136	.00032	.00506	.00474
1710.0	2091.70	3602	2.300	0	.91136	-.00010	-.00179	-.00169
1712.0	2095.30	3538	2.300	-.009	.91129	-.00811	-.00872	-.00061
1714.0	2098.84	3281	2.300	-.038	.90999	-.03433	-.03831	-.00398
1716.0	2102.12	3119	2.300	-.025	.90941	-.02310	-.01987	.00322
1718.0	2105.24	3440	2.300	.049	.90723	.04450	.03147	-.01303
1720.0	2108.68	3638	2.300	.028	.90652	.02533	.03488	.00954
1722.0	2112.32	3704	2.300	.009	.90645	.00816	.01817	.01001
1724.0	2116.02	3659	2.300	-.006	.90641	-.00554	-.01559	-.01005
1726.0	2119.68	3692	2.300	.004	.90640	.00405	.01328	.00923
1728.0	2123.37	3675	2.300	-.002	.90639	-.00207	-.00443	-.00236
1730.0	2127.05	3559	2.300	-.016	.90616	-.01449	-.02040	-.00591
1732.0	2130.61	3634	2.300	.010	.90606	.00937	.00849	-.00088
1734.0	2134.24	3838	2.300	.027	.90538	.02480	.01924	-.00556

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
1736.0	2138.08			-.009	.90531	-.00825	-.00442	.00383
		3769	2.300					
1738.0	2141.85			-.011	.90520	-.00972	-.00729	.00243
		3689	2.300					
1740.0	2145.53			-.001	.90520	-.00118	.00044	.00162
		3679	2.300					
1742.0	2149.21			-.038	.90389	-.03444	-.03477	-.00033
		3409	2.300					
1744.0	2152.62			.032	.90296	.02905	.03201	.00295
		3636	2.300					
1746.0	2156.26			.020	.90259	.01824	.01040	-.00784
		3786	2.300					
1748.0	2160.04			.002	.90258	.00224	.00939	.00716
		3805	2.300					
1750.0	2163.85			-.037	.90135	-.03338	-.03637	-.00299
		3533	2.300					
1752.0	2167.38			-.015	.90115	-.01333	-.00592	.00741
		3430	2.300					
1754.0	2170.81			.049	.89895	.04461	.05308	.00848
		3788	2.300					
1756.0	2174.60			-.003	.89894	-.00268	-.01497	-.01229
		3765	2.300					
1758.0	2178.37			.012	.89882	.01046	.00570	-.00476
		3854	2.300					
1760.0	2182.22			-.032	.89789	-.02879	-.02635	.00244
		3615	2.300					
1762.0	2185.83			.003	.89788	.00285	-.00099	-.00384
		3638	2.300					
1764.0	2189.47			.024	.89736	.02169	.01833	-.00337
		3818	2.300					
1766.0	2193.29			-.015	.89715	-.01362	-.01918	-.00556
		3704	2.300					
1768.0	2196.99			-.042	.89558	-.03755	-.03345	.00410
		3406	2.300					
1770.0	2200.40			-.037	.89435	-.03322	-.01953	.01368
		3162	2.300					
1772.0	2203.56			.105	.88453	.09370	.08339	-.01030
		3902	2.300					
1774.0	2207.46			-.014	.88435	-.01281	-.00655	.00626
		3791	2.300					
1776.0	2211.25			.009	.88428	.00777	.00423	-.00354
		3858	2.300					
1778.0	2215.11			.002	.88428	.00207	.01012	.00804
		3876	2.300					
1780.0	2218.99			.020	.88392	.01779	.02206	.00427
		4036	2.300					
1782.0	2223.02			-.015	.88371	-.01357	-.01921	-.00564
		3913	2.300					
1784.0	2226.94			.002	.88370	.00215	.00817	.00602

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
		3933	2.300					
1786.0	2230.87			.002	.88370	.00156	-.00178	-.00334
		3947	2.300					
1788.0	2234.82			-.012	.88356	-.01101	-.01384	-.00283
		3849	2.300					
1790.0	2238.67			-.006	.88353	-.00560	-.01189	-.00628
		3801	2.300					
1792.0	2242.47			-.012	.88339	-.01091	-.01276	-.00185
		3708	2.300					
1794.0	2246.18			.009	.88332	.00792	.00642	-.00150
		3775	2.300					
1796.0	2249.95			.004	.88330	.00397	.01006	.00609
		3809	2.300					
1798.0	2253.76			.013	.88315	.01172	.01832	.00661
		3912	2.300					
1800.0	2257.67			.013	.88300	.01132	.00804	-.00328
		4013	2.300					
1802.0	2261.69			-.027	.88236	-.02383	-.03684	-.01301
		3802	2.300					
1804.0	2265.49			.012	.88223	.01075	.00787	-.00287
		3896	2.300					
1806.0	2269.38			-.001	.88223	-.00054	-.00848	-.00794
		3891	2.300					
1808.0	2273.28			-.020	.88188	-.01758	-.00822	.00936
		3739	2.300					
1810.0	2277.01			-.006	.88185	-.00517	.00766	.01283
		3696	2.300					
1812.0	2280.71			.022	.88143	.01916	.01335	-.00580
		3860	2.300					
1814.0	2284.57			.013	.88129	.01112	.01275	.00163
		3959	2.300					
1816.0	2288.53			-.006	.88126	-.00557	-.00299	.00258
		3909	2.300					
1818.0	2292.44			.008	.88121	.00680	.00266	-.00414
		3970	2.300					
1820.0	2296.41			.013	.88106	.01125	.01201	.00076
		4072	2.300					
1822.0	2300.48			-.004	.88105	-.00325	.00043	.00368
		4042	2.300					
1824.0	2304.52			-.001	.88105	-.00070	.00750	.00820
		4036	2.300					
1826.0	2308.56			-.027	.88039	-.02413	-.02506	-.00093
		3821	2.300					
1828.0	2312.38			.004	.88037	.00379	.00394	.00015
		3854	2.300					
1830.0	2316.23			-.005	.88035	-.00432	-.00851	-.00418
		3816	2.300					
1832.0	2320.05			-.013	.88020	-.01135	-.01234	-.00099
		3719	2.300					

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
1834.0	2323.77			-.006	.88017	-.00531	-.01324	-.00793
		3674	2.300					
1836.0	2327.44			.021	.87978	.01858	.02132	.00273
		3833	2.300					
1838.0	2331.27			-.024	.87927	-.02119	-.01967	.00152
		3653	2.300					
1840.0	2334.93			-.016	.87905	-.01405	-.01514	-.00110
		3538	2.300					
1842.0	2338.46			.017	.87878	.01532	.01801	.00269
		3663	2.300					
1844.0	2342.13			.020	.87844	.01719	.01997	.00277
		3809	2.300					
1846.0	2345.94			.007	.87840	.00581	.00589	.00009
		3860	2.300					
1848.0	2349.80			-.014	.87822	-.01271	-.02312	-.01041
		3750	2.300					
1850.0	2353.55			-.022	.87778	-.01963	-.01543	.00420
		3586	2.300					
1852.0	2357.13			.003	.87777	.00233	.00745	.00512
		3605	2.300					
1854.0	2360.74			.007	.87773	.00610	-.00401	-.01011
		3656	2.300					
1856.0	2364.39			.008	.87768	.00674	.00119	-.00555
		3712	2.300					
1858.0	2368.11			.009	.87761	.00801	.00052	-.00749
		3780	2.300					
1860.0	2371.89			-.019	.87729	-.01674	-.01324	.00350
		3639	2.300					
1862.0	2375.52			.013	.87713	.01179	.02541	.01362
		3738	2.300					
1864.0	2379.26			.016	.87692	.01367	.01395	.00028
		3856	2.300					
1866.0	2383.12			-.013	.87678	-.01098	-.02001	-.00902
		3761	2.300					
1868.0	2386.88			-.036	.87565	-.03147	-.02100	.01047
		3500	2.300					
1870.0	2390.38			.023	.87520	.01978	.02420	.00442
		3662	2.300					
1872.0	2394.04			.059	.87217	.05149	.04748	-.00400
		4120	2.300					
1874.0	2398.16			-.046	.87035	-.03987	-.04906	-.00919
		3760	2.300					
1876.0	2401.92			-.046	.86855	-.03963	-.03622	.00341
		3432	2.300					
1878.0	2405.36			-.001	.86854	-.00128	.00569	.00698
		3422	2.300					
1880.0	2408.78			.007	.86850	.00614	.00147	-.00468
		3471	2.300					
1882.0	2412.25			-.017	.86825	-.01472	-.02231	-.00758

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
		3355	2.300					
1884.0	2415.60			.015	.86806	.01291	.00661	-.00630
		3457	2.300					
1886.0	2419.06			.004	.86804	.00374	.00977	.00603
		3487	2.300					
1888.0	2422.55			-.003	.86803	-.00294	.00241	.00535
		3463	2.300					
1890.0	2426.01			-.007	.86800	-.00576	-.00996	-.00420
		3417	2.300					
1892.0	2429.43			.027	.86737	.02331	.02242	-.00090
		3606	2.300					
1894.0	2433.03			.003	.86736	.00246	.00030	-.00216
		3627	2.300					
1896.0	2436.66			-.059	.86436	-.05102	-.04560	.00542
		3224	2.300					
1898.0	2439.88			-.013	.86421	-.01139	-.01231	-.00092
		3140	2.300					
1900.0	2443.02			.008	.86416	.00657	.00429	-.00228
		3188	2.300					
1902.0	2446.21			-.016	.86395	-.01350	-.01291	.00059
		3090	2.300					
1904.0	2449.30			.001	.86395	.00075	.00491	.00416
		3095	2.300					
1906.0	2452.40			.015	.86376	.01280	.00442	-.00838
		3188	2.300					
1908.0	2455.58			-.008	.86370	-.00696	-.00551	.00145
		3137	2.300					
1910.0	2458.72			-.008	.86365	-.00690	-.00805	-.00115
		3088	2.300					
1912.0	2461.81			-.002	.86364	-.00189	-.00212	-.00023
		3074	2.300					
1914.0	2464.88			-.004	.86363	-.00327	.00069	.00396
		3051	2.300					
1916.0	2467.93			.013	.86350	.01084	.01035	-.00049
		3128	2.300					
1918.0	2471.06			-.009	.86342	-.00784	-.00998	-.00214
		3072	2.300					
1920.0	2474.13			-.005	.86340	-.00446	-.01023	-.00577
		3041	2.300					
1922.0	2477.18			-.003	.86339	-.00244	.00047	.00291
		3023	2.300					
1924.0	2480.20			.013	.86325	.01105	.00934	-.00170
		3102	2.300					
1926.0	2483.30			-.012	.86312	-.01078	-.01216	-.00138
		3025	2.300					
1928.0	2486.33			.001	.86312	.00078	.00233	.00155
		3031	2.300					
1930.0	2489.36			-.001	.86312	-.00076	-.00080	-.00005
		3025	2.300					

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
1932.0	2492.38			.002	.86311	.00193	-.00156	-.00348
		3039	2.300					
1934.0	2495.42			-.004	.86310	-.00317	.00814	.01131
		3017	2.300					
1936.0	2498.44			.006	.86308	.00477	-.00212	-.00690
		3050	2.300					
1938.0	2501.49			-.005	.86306	-.00410	.00399	.00809
		3021	2.300					
1940.0	2504.51			.011	.86296	.00918	-.00639	-.01557
		3086	2.300					
1942.0	2507.59			-.002	.86296	-.00137	-.00437	-.00300
		3077	2.300					
1944.0	2510.67			-.006	.86293	-.00509	.01061	.01569
		3041	2.300					
1946.0	2513.71			.006	.86289	.00540	.01344	.00804
		3079	2.300					
1948.0	2516.79			.003	.86288	.00260	-.00055	-.00315
		3097	2.300					
1950.0	2519.89			-.003	.86288	-.00255	-.00585	-.00330
		3079	2.300					
1952.0	2522.97			-.003	.86287	-.00263	.00048	.00312
		3060	2.300					
1954.0	2526.03			-.001	.86287	-.00105	-.01561	-.01455
		3053	2.300					
1956.0	2529.08			-.005	.86285	-.00400	.00107	.00503
		3025	2.300					
1958.0	2532.11			-.010	.86276	-.00855	-.00582	.00274
		2965	2.300					
1960.0	2535.07			-.049	.86066	-.04261	-.03502	.00759
		2686	2.300					
1962.0	2537.76			.008	.86060	.00688	-.00029	-.00717
		2730	2.300					
1964.0	2540.49			-.003	.86060	-.00263	-.00918	-.00655
		2713	2.300					
1966.0	2543.20			.009	.86053	.00755	.00404	-.00350
		2761	2.300					
1968.0	2545.96			-.003	.86052	-.00228	.00038	.00267
		2746	2.300					
1970.0	2548.71			-.034	.85953	-.02918	-.02082	.00836
		2566	2.300					
1972.0	2551.27			.025	.85902	.02109	.01366	-.00743
		2695	2.300					
1974.0	2553.97			-.017	.85877	-.01468	-.00886	.00582
		2605	2.300					
1976.0	2556.57			.011	.85866	.00961	.01038	.00077
		2664	2.300					
1978.0	2559.24			-.053	.85622	-.04577	-.04354	.00223
		2394	2.300					
1980.0	2561.63			.009	.85615	.00761	.00160	-.00602

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
		2437	2.300					
1982.0	2564.07			-.010	.85607	-.00837	-.00413	.00424
		2390	2.300					
1984.0	2566.46			.009	.85600	.00779	-.00003	-.00782
		2434	2.300					
1986.0	2568.89			.008	.85594	.00715	.00742	.00027
		2475	2.300					
1988.0	2571.36			.044	.85427	.03783	.03469	-.00314
		2704	2.300					
1990.0	2574.07			-.032	.85340	-.02722	-.02500	.00222
		2537	2.300					
1992.0	2576.61			-.041	.85194	-.03527	-.03388	.00139
		2335	2.300					
1994.0	2578.94			.043	.85035	.03679	.03421	-.00258
		2546	2.300					
1996.0	2581.49			.081	.84475	.06906	.07531	.00626
		2996	2.300					
1998.0	2584.48			-.014	.84459	-.01147	-.00504	.00643
		2916	2.300					
2000.0	2587.40			.003	.84458	.00237	.01178	.00942
		2932	2.300					
2002.0	2590.33			-.015	.84439	-.01281	-.02093	-.00812
		2845	2.300					
2004.0	2593.18			-.020	.84405	-.01696	-.01792	-.00096
		2733	2.300					
2006.0	2595.91			-.019	.84376	-.01565	-.01804	-.00240
		2633	2.300					
2008.0	2598.54			-.031	.84295	-.02610	-.02634	-.00024
		2475	2.300					
2010.0	2601.02			.071	.83865	.06020	.06750	.00730
		2856	2.300					
2012.0	2603.87			-.022	.83824	-.01858	-.02621	-.00762
		2732	2.300					
2014.0	2606.60			-.034	.83725	-.02877	-.01528	.01349
		2551	2.300					
2016.0	2609.15			.004	.83724	.00328	.00316	-.00012
		2571	2.300					
2018.0	2611.72			.015	.83705	.01252	.00603	-.00649
		2649	2.300					
2020.0	2614.37			-.002	.83705	-.00203	.00330	.00533
		2636	2.300					
2022.0	2617.01			-.008	.83699	-.00670	-.00382	.00288
		2594	2.300					
2024.0	2619.60			.021	.83662	.01779	.00150	-.01629
		2707	2.300					
2026.0	2622.31			-.012	.83650	-.00987	-.00256	.00731
		2644	2.300					
2028.0	2624.95			-.010	.83642	-.00810	.00804	.01614
		2593	2.300					

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
2030.0	2627.55			-.005	.83640	-.00442	-.01336	-.00894
		2566	2.300					
2032.0	2630.11			.009	.83632	.00788	-.00389	-.01176
		2615	2.300					
2034.0	2632.73			-.033	.83539	-.02799	-.04055	-.01255
		2445	2.300					
2036.0	2635.17			.028	.83473	.02336	.04364	.02028
		2586	2.300					
2038.0	2637.76			-.001	.83473	-.00068	-.00318	-.00250
		2582	2.300					
2040.0	2640.34			.061	.83164	.05081	.04621	-.00461
		2916	2.300					
2042.0	2643.26			-.005	.83162	-.00405	-.00706	-.00301
		2888	2.300					
2044.0	2646.14			-.029	.83090	-.02453	-.01293	.01160
		2723	2.300					
2046.0	2648.87			.028	.83023	.02357	.03611	.01254
		2881	2.300					
2048.0	2651.75			-.010	.83014	-.00845	-.01068	-.00223
		2823	2.300					
2050.0	2654.57			-.033	.82924	-.02742	-.02698	.00044
		2643	2.300					
2052.0	2657.22			.017	.82899	.01436	.01571	.00135
		2736	2.300					
2054.0	2659.95			.029	.82828	.02422	.03434	.01011
		2901	2.300					
2056.0	2662.85			.011	.82817	.00934	.00953	.00018
		2967	2.300					
2058.0	2665.82			-.003	.82817	-.00241	-.02087	-.01846
		2950	2.300					
2060.0	2668.77			.003	.82816	.00265	-.01071	-.01336
		2969	2.300					
2062.0	2671.74			.008	.82811	.00645	.02756	.02111
		3015	2.300					
2064.0	2674.75			-.007	.82807	-.00552	.00764	.01316
		2975	2.300					
2066.0	2677.73			.005	.82805	.00442	.01167	.00725
		3007	2.300					
2068.0	2680.74			.010	.82796	.00865	-.01415	-.02280
		3071	2.300					
2070.0	2683.81			.015	.82777	.01232	.00997	-.00235
		3163	2.300					
2072.0	2686.97			-.008	.82772	-.00659	-.00175	.00484
		3113	2.300					
2074.0	2690.08			-.008	.82767	-.00664	.00080	.00744
		3064	2.300					
2076.0	2693.15			-.010	.82759	-.00810	-.00950	-.00140
		3005	2.300					
2078.0	2696.15			.027	.82699	.02231	.02221	-.00011

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
		3171	2.300					
2080.0	2699.32	2959	2.300	-.035	.82600	-.02858	-.02885	-.00027
2082.0	2702.28	3012	2.300	.009	.82594	.00725	.01032	.00307
2084.0	2705.29	2918	2.300	-.016	.82573	-.01297	-.00641	.00656
2086.0	2708.21	3064	2.300	.024	.82525	.02004	.01210	-.00794
2088.0	2711.28	3113	2.300	.008	.82519	.00659	.00545	-.00114
2090.0	2714.39	3013	2.300	-.016	.82498	-.01341	-.00926	.00415
2092.0	2717.40	3120	2.300	.017	.82473	.01438	.00697	-.00741
2094.0	2720.52	3201	2.300	.013	.82459	.01046	.00385	-.00661
2096.0	2723.72	3035	2.300	-.027	.82401	-.02187	-.02091	.00097
2098.0	2726.76	3204	2.300	.027	.82341	.02227	.03599	.01372
2100.0	2729.96	3088	2.300	-.018	.82313	-.01516	-.02222	-.00706
2102.0	2733.05	3163	2.300	.012	.82301	.00989	.00825	-.00164
2104.0	2736.21	3049	2.300	-.018	.82274	-.01504	-.00185	.01319
2106.0	2739.26	2957	2.300	-.015	.82254	-.01268	-.02743	-.01475
2108.0	2742.22	2930	2.300	-.005	.82252	-.00379	-.00127	.00252
2110.0	2745.15	2931	2.300	0	.82252	.00014	-.00237	-.00252
2112.0	2748.08	2884	2.300	-.008	.82247	-.00654	-.01197	-.00543
2114.0	2750.96	2868	2.300	-.003	.82247	-.00232	-.00500	-.00268
2116.0	2753.83	2955	2.300	.015	.82228	.01231	.02934	.01703
2118.0	2756.79	3022	2.300	.011	.82218	.00913	.01296	.00383
2120.0	2759.81	2890	2.300	-.022	.82177	-.01332	-.00347	.01486
2122.0	2762.70	2861	2.300	-.005	.82175	-.00420	-.01650	-.01229
2124.0	2765.56	2836	2.300	-.004	.82174	-.00356	-.01674	-.01318
2126.0	2768.40	2685	2.300	-.027	.82112	-.02254	-.02258	-.00004

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
2128.0	2771.08			.027	.82052	.02213	.01525	-.00688
		2833	2.300					
2130.0	2773.91			-.012	.82040	-.00985	-.00747	.00238
		2766	2.300					
2132.0	2776.68			.018	.82013	.01499	.00379	-.01119
		2869	2.300					
2134.0	2779.55			.064	.81674	.05270	.05922	.00652
		3263	2.300					
2136.0	2782.81			.017	.81651	.01382	.02476	.01094
		3375	2.300					
2138.0	2786.19			.008	.81645	.00689	.01085	.00396
		3433	2.300					
2140.0	2789.62			0	.81645	.00021	-.00846	-.00867
		3435	2.300					
2142.0	2793.05			-.001	.81645	-.00048	.00942	.00991
		3430	2.300					
2144.0	2796.48			-.003	.81644	-.00270	.00626	.00896
		3408	2.300					
2146.0	2799.89			.008	.81639	.00627	.00475	-.00152
		3461	2.300					
2148.0	2803.35			-.007	.81635	-.00563	-.01412	-.00850
		3413	2.300					
2150.0	2806.77			-.009	.81628	-.00760	-.01522	-.00762
		3350	2.300					
2152.0	2810.12			.005	.81627	.00375	.01027	.00652
		3381	2.300					
2154.0	2813.50			.004	.81625	.00327	-.00076	-.00403
		3408	2.300					
2156.0	2816.91			-.010	.81617	-.00821	-.00890	-.00069
		3340	2.300					
2158.0	2820.25			-.006	.81614	-.00468	-.00955	-.00487
		3302	2.300					
2160.0	2823.55			.020	.81583	.01592	.03078	.01487
		3434	2.300					
2162.0	2826.98			-.016	.81563	-.01286	-.00748	.00538
		3327	2.300					
2164.0	2830.31			.005	.81561	.00443	.01040	.00597
		3363	2.300					
2166.0	2833.67			.026	.81506	.02107	.02027	-.00081
		3542	2.300					
2168.0	2837.21			-.004	.81505	-.00297	-.01044	-.00747
		3516	2.300					
2170.0	2840.73			-.009	.81498	-.00743	-.03261	-.02518
		3453	2.300					
2172.0	2844.18			0	.81498	-.00039	.00967	.01007
		3449	2.300					
2174.0	2847.63			-.006	.81496	-.00463	.01644	.02107
		3410	2.300					
2176.0	2851.04			-.018	.81469	-.01474	-.03463	-.01989

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
		3289	2.300					
2178.0	2854.33			-.043	.81318	-.03510	-.04227	-.00717
		3018	2.300					
2180.0	2857.35			.087	.80698	.07103	.07806	.00704
		3595	2.300					
2182.0	2860.94			-.016	.80677	-.01301	.00084	.01385
		3481	2.300					
2184.0	2864.43			.006	.80674	.00466	-.00289	-.00755
		3522	2.300					
2186.0	2867.95			-.007	.80670	-.00593	-.01131	-.00538
		3470	2.300					
2188.0	2871.42			.031	.80590	.02540	.04331	.01791
		3696	2.300					
2190.0	2875.11			-.009	.80583	-.00741	-.00397	.00344
		3629	2.300					
2192.0	2878.74			.040	.80454	.03222	.02942	-.00281
		3931	2.300					
2194.0	2882.67			-.031	.80379	-.02454	-.03358	-.00904
		3698	2.300					
2196.0	2886.37			.142	.78762	.11400	.11813	.00413
		4921	2.300					
2198.0	2891.29			-.118	.77667	-.09286	-.09203	.00082
		3883	2.300					
2200.0	2895.17			-.077	.77213	-.05943	-.07768	-.01825
		3331	2.300					
2202.0	2898.50			.048	.77035	.03704	.04196	.00492
		3666	2.300					
2204.0	2902.17			-.053	.76822	-.04054	-.03710	.00344
		3300	2.300					
2206.0	2905.47			.017	.76799	.01321	-.00084	-.01405
		3415	2.300					
2208.0	2908.89			.014	.76784	.01061	.01985	.00924
		3511	2.300					
2210.0	2912.40			.007	.76781	.00510	.01143	.00633
		3558	2.300					
2212.0	2915.96			-.034	.76690	-.02635	-.03062	-.00427
		3322	2.300					
2214.0	2919.28			.106	.75834	.08102	.08183	.00081
		4107	2.300					
2216.0	2923.38			-.081	.75331	-.06178	-.05459	.00719
		3488	2.300					
2218.0	2926.87			-.018	.75307	-.01338	-.02963	-.01625
		3366	2.300					
2220.0	2930.24			.002	.75307	.00184	.00147	-.00037
		3383	2.300					
2222.0	2933.62			.021	.75275	.01559	.02660	.01100
		3526	2.300					
2224.0	2937.15			-.017	.75253	-.01284	-.02941	-.01657
		3407	2.300					

TWO WAY TRAVEL TIME MS	DEPTH FROM SRD (OR TOP) M	INTERVAL VELOCITY M/S	INTERVAL DENSITY G/C?	REFLECT. COEFF.	TWO WAY ATTEN. COEFF.	SYNTHETIC SEISMO. PRIMARY	PRIMARY + MULTIPLES	MULTIPLES ONLY
2226.0	2940.55			-.010	.75245	-.00747	.00924	.01671
		3340	2.300					
2228.0	2943.89			.062	.74958	.04652	.03394	-.01258
		3781	2.300					
2230.0	2947.67			.150	.73261	.11277	.13063	.01786
		5120	2.300					
2232.0	2952.79			-.116	.72278	-.08489	-.07494	.00995
		4057	2.300					
2234.0	2956.85			-.039	.72170	-.02783	-.02795	-.00007
		3755	2.300					
2236.0	2960.61			.031	.72103	.02205	.02289	.00084
		3992	2.300					
2238.0	2964.60			.018	.72078	.01327	.01597	.00270
		4142	2.300					
2240.0	2968.74			-.042	.71952	-.03019	-.03701	-.00682
		3809	2.300					
2242.0	2972.55			-.046	.71800	-.03301	-.07292	-.03991
		3474	2.300					
2244.0	2976.02			.011	.71791	.00823	.01905	.01082
		3555	2.300					
2246.0	2979.58			.012	.71781	.00832	.00039	-.00793
		3638	2.300					
2248.0	2983.22			-.006	.71778	-.00441	.01076	.01517
		3594	2.300					
2250.0	2986.81			-.019	.71753	-.01357	-.00606	.00750
		3461	2.300					
2252.0	2990.27			.034	.71670	.02439	.01185	-.01254
		3704	2.300					
2254.0	2993.97			-.005	.71668	-.00392	-.00430	-.00038
		3664	2.300					
2256.0	2997.64			.033	.71592	.02329	.02701	.00372
		3910	2.300					
2258.0	3001.55			-.039	.71481	-.02825	-.02697	.00129
		3613	2.300					
2260.0	3005.16			.010	.71474	.00694	.01761	.01066
		3684	2.300					
2262.0	3008.84			.014	.71459	.01015	-.00284	-.01300
		3790	2.300					
2264.0	3012.64			.001	.71459	.00060	-.00814	-.00874
		3797	2.300					
2266.0	3016.43			-.005	.71458	-.00357	.01171	.01528
		3759	2.300					
2268.0	3020.19			.010	.71450	.00742	-.00080	-.00823
		3838	2.300					
2270.0	3024.03			-.035	.71360	-.02533	-.02007	.00526
		3575	2.300					
2272.0	3027.60			-.037	.71262	-.02646	-.04985	-.02339
		3319	2.300					
2274.0	3030.92			.101	.70533	.07209	.09041	.01832

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
		4066	2.300					
2276.0	3034.99	5237	2.300	.126	.69416	.08876	.08798	-.00078
2278.0	3040.23	5231	2.300	-.001	.69416	-.00043	.03211	.03254
2280.0	3045.46	3736	2.300	-.167	.67487	-.11570	-.10682	.00888
2282.0	3049.19	3600	2.300	-.019	.67464	-.01253	-.02477	-.01223
2284.0	3052.79	3711	2.300	.015	.67448	.01027	-.00748	-.01775
2286.0	3056.50	3631	2.300	-.011	.67440	-.00734	-.00703	.00031
2288.0	3060.13	4647	2.300	.123	.66425	.08272	.08659	.00387
2290.0	3064.78	3724	2.300	-.110	.65618	-.07323	-.08286	-.00963
2292.0	3068.50	4178	2.300	.058	.65401	.03776	.05559	.01783
2294.0	3072.68	3724	2.300	-.058	.65184	-.03764	-.03720	.00044
2296.0	3076.41	3432	2.300	-.041	.65076	-.02656	-.03094	-.00438
2298.0	3079.84	3551	2.300	.017	.65057	.01105	.01059	-.00046
2300.0	3083.39	3520	2.300	-.004	.65056	-.00279	-.01628	-.01349
2302.0	3086.91	4479	2.300	.120	.64121	.07800	.07093	-.00706
2304.0	3091.39	3932	2.300	-.065	.63849	-.04173	-.03010	.01163
2306.0	3095.32	4140	2.300	.026	.63807	.01643	.02304	.00661
2308.0	3099.46	3707	2.300	-.055	.63613	-.03522	-.03158	.00364
2310.0	3103.17	3501	2.300	-.029	.63561	-.01819	-.05816	-.03998
2312.0	3106.67	3544	2.300	.006	.63558	.00395	.01805	.01410
2314.0	3110.21	3632	2.300	.012	.63549	.00774	.00047	-.00727
2316.0	3113.84	3617	2.300	-.002	.63548	-.00132	-.00026	.00106
2318.0	3117.46	3477	2.300	-.020	.63524	-.01249	.00679	.01928
2320.0	3120.94	3427	2.300	-.007	.63520	-.00465	-.00009	.00457
2322.0	3124.36	3461	2.300	.005	.63519	.00318	-.01798	-.02115

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
2324.0	3127.83			-.014	.63506	-.00908	-.03157	-.02249
		3363	2.300					
2326.0	3131.19			.013	.63496	.00797	.02537	.01740
		3449	2.300					
2328.0	3134.64			-.021	.63469	-.01302	-.00060	.01242
		3310	2.300					
2330.0	3137.95			.042	.63355	.02690	.02007	-.00683
		3603	2.300					
2332.0	3141.55			-.023	.63321	-.01466	-.01428	.00038
		3440	2.300					
2334.0	3144.99			.001	.63321	.00091	-.00579	-.00670
		3450	2.300					
2336.0	3148.44			-.012	.63312	-.00781	-.00395	.00386
		3366	2.300					
2338.0	3151.81			.008	.63308	.00493	.01704	.01211
		3419	2.300					
2340.0	3155.23			-.035	.63232	-.02186	-.03375	-.01189
		3191	2.300					
2342.0	3158.42			.037	.63144	.02356	.04168	.01812
		3438	2.300					
2344.0	3161.86			.009	.63140	.00542	.01417	.00875
		3497	2.300					
2346.0	3165.35			-.013	.63129	-.00832	-.01213	-.00381
		3406	2.300					
2348.0	3168.76			.038	.63038	.02389	-.00096	-.02485
		3674	2.300					
2350.0	3172.43			-.007	.63035	-.00435	-.01026	-.00591
		3624	2.300					
2352.0	3176.06			.001	.63035	.00046	.01326	.01279
		3629	2.300					
2354.0	3179.69			-.004	.63035	-.00224	.01036	.01261
		3604	2.300					
2356.0	3183.29			-.038	.62942	-.02410	-.03533	-.01123
		3338	2.300					
2358.0	3186.63			.030	.62886	.01888	.03756	.01868
		3545	2.300					
2360.0	3190.17			-.002	.62885	-.00151	.01111	.01263
		3527	2.300					
2362.0	3193.70			.021	.62858	.01301	-.01815	-.03116
		3677	2.300					
2364.0	3197.38			-.045	.62730	-.02847	-.01084	.01763
		3358	2.300					
2366.0	3200.73			.028	.62682	.01732	.01117	-.00615
		3549	2.300					
2368.0	3204.28			-.009	.62677	-.00554	.00211	.00765
		3486	2.300					
2370.0	3207.77			.010	.62670	.00635	-.03275	-.03910
		3558	2.300					
2372.0	3211.33			.011	.62662	.00703	.03030	.02327

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
		3638	2.300					
2374.0	3214.97			-.010	.62656	-.00635	-.00407	.00228
		3565	2.300					
2376.0	3218.53			.036	.62576	.02233	.03825	.01592
		3829	2.300					
2378.0	3222.36			-.017	.62559	-.01055	-.02300	-.01245
		3702	2.300					
2380.0	3226.06			-.010	.62552	-.00647	-.01042	-.00394
		3626	2.300					
2382.0	3229.69			.008	.62548	.00498	.00145	-.00353
		3684	2.300					
2384.0	3233.37			-.030	.62491	-.01885	-.01157	.00728
		3469	2.300					
2386.0	3236.34			.005	.62489	.00333	.02130	.01797
		3506	2.300					
2388.0	3240.35			.009	.62484	.00581	-.02100	-.02682
		3572	2.300					
2390.0	3243.92			.013	.62473	.00812	.01088	.00276
		3666	2.300					
2392.0	3247.58			-.029	.62420	-.01831	-.00616	.01215
		3457	2.300					
2394.0	3251.04			.023	.62387	.01441	.01153	-.00288
		3620	2.300					
2396.0	3254.66			-.087	.61919	-.05404	-.07171	-.01768
		3043	2.300					
2398.0	3257.70			.109	.61182	.06752	.07578	.00826
		3788	2.300					
2400.0	3261.49			-.005	.61181	-.00293	-.00478	-.00185
		3752	2.300					
2402.0	3265.24			.005	.61179	.00318	.01586	.01268
		3791	2.300					
2404.0	3269.04			.004	.61178	.00251	-.00450	-.00701
		3822	2.300					
2406.0	3272.86			-.005	.61177	-.00308	-.00602	-.00294
		3784	2.300					
2408.0	3276.64			-.010	.61170	-.00627	.01492	.02119
		3707	2.300					
2410.0	3280.35			.023	.61138	.01404	.03523	.02119
		3881	2.300					
2412.0	3284.23			-.050	.60986	-.03046	-.05694	-.02647
		3513	2.300					
2414.0	3287.74			.026	.60944	.01606	.00758	-.00848
		3703	2.300					
2416.0	3291.45			.034	.60874	.02057	.00959	-.01098
		3962	2.300					
2418.0	3295.41			-.068	.60592	-.04144	-.01749	.02395
		3457	2.300					
2420.0	3298.87			.034	.60521	.02074	.01125	-.00943
		3702	2.300					

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
2422.0	3302.57			-.015	.60507	-.00923	-.00487	.00436
		3590	2.300					
2424.0	3306.16			.014	.60495	.00875	.00343	-.00532
		3696	2.300					
2426.0	3309.85			.010	.60489	.00577	.00188	-.00389
		3767	2.300					
2428.0	3313.62			-.016	.60473	-.00979	-.01114	-.00135
		3647	2.300					
2430.0	3317.27			.006	.60471	.00339	.02020	.01680
		3688	2.300					
2432.0	3320.96			-.040	.60372	-.02447	-.03829	-.01382
		3401	2.300					
2434.0	3324.36			.015	.60359	.00905	.02748	.01843
		3505	2.300					
2436.0	3327.86			.054	.60185	.03236	.01447	-.01789
		3902	2.300					
2438.0	3331.76			-.022	.60156	-.01319	.00347	.01666
		3735	2.300					
2440.0	3335.50			.028	.60108	.01699	.02714	.01014
		3952	2.300					
2442.0	3339.45			.091	.59616	.05441	.04612	-.00828
		4738	2.300					
2444.0	3344.19			-.002	.59616	-.00097	-.00509	-.00412
		4723	2.300					
2446.0	3348.91			-.022	.59587	-.01316	.01349	.02665
		4519	2.300					
2448.0	3353.43			-.098	.59020	-.05813	-.06566	-.00753
		3716	2.300					
2450.0	3357.15			-.020	.58997	-.01154	-.03990	-.02836
		3573	2.300					
2452.0	3360.72			.026	.58957	.01547	.00644	-.00904
		3766	2.300					
2454.0	3364.49			.019	.58936	.01101	.01943	.00842
		3909	2.300					
2456.0	3368.39			.041	.58837	.02420	.04823	.02403
		4244	2.300					
2458.0	3372.64			-.088	.58380	-.05186	-.07806	-.02620
		3556	2.300					
2460.0	3376.19			.003	.58379	.00158	-.00747	-.00906
		3576	2.300					
2462.0	3379.77			.084	.57971	.04879	.05382	.00503
		4228	2.300					
2464.0	3384.00			-.074	.57658	-.04262	-.02838	.01424
		3649	2.300					
2466.0	3387.65			.004	.57657	.00219	-.00155	-.00374
		3676	2.300					
2468.0	3391.32			-.004	.57657	-.00208	.00586	.00794
		3650	2.300					
2470.0	3394.97			-.002	.57656	-.00110	-.01383	-.01273

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
		3636	2.300					
2472.0	3398.61			-.006	.57655	-.00328	-.00570	-.00242
		3595	2.300					
2474.0	3402.20			0	.57655	.00002	-.00509	-.00511
		3595	2.300					
2476.0	3405.80			-.027	.57613	-.01557	-.00849	.00708
		3406	2.300					
2478.0	3409.21			.010	.57607	.00550	.00516	-.00033
		3472	2.300					
2480.0	3412.68			.054	.57436	.03139	.00241	-.02898
		3872	2.300					
2482.0	3416.55			.051	.57287	.02924	.05295	.02372
		4287	2.300					
2484.0	3420.84			.040	.57198	.02268	.03085	.00817
		4641	2.300					
2486.0	3425.48			.055	.57027	.03126	.06055	.02929
		5177	2.300					
2488.0	3430.66			-.032	.56970	-.01802	-.02103	-.00301
		4860	2.300					
2490.0	3435.52			-.077	.56632	-.04390	-.03754	.00636
		4165	2.300					
2492.0	3439.68			.050	.56492	.02810	.02629	-.00181
		4600	2.300					
2494.0	3444.28			-.082	.56113	-.04629	-.04177	.00452
		3903	2.300					
2496.0	3448.18			.017	.56096	.00963	-.00326	-.01289
		4039	2.300					
2498.0	3452.22			-.007	.56094	-.00391	-.01430	-.01039
		3983	2.300					
2500.0	3456.21			-.066	.55848	-.03710	-.03557	.00153
		3489	2.300					
2502.0	3459.69			.002	.55848	.00125	-.02935	-.03059
		3505	2.300					
2504.0	3463.20			-.004	.55847	-.00218	.01690	.01907
		3477	2.300					
2506.0	3466.68			.013	.55838	.00699	-.00778	-.01477
		3566	2.300					
2508.0	3470.24			.016	.55824	.00892	-.01624	-.02516
		3681	2.300					
2510.0	3473.92			.040	.55735	.02233	.00863	-.01370
		3988	2.300					
2512.0	3477.91			-.040	.55648	-.02203	.02161	.04364
		3685	2.300					
2514.0	3481.60			.054	.55487	.02994	.03334	.00340
		4104	2.300					
2516.0	3485.70			.034	.55424	.01864	.04048	.02184
		4389	2.300					
2518.0	3490.09			.075	.55116	.04134	.03688	-.00447
		5097	2.300					

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
2520.0	3495.19			-.004	.55115	-.00212	-.01019	-.00806
		5058	2.300					
2522.0	3500.24			-.038	.55036	-.02089	-.01912	.00177
		4688	2.300					
2524.0	3504.93			-.014	.55024	-.00794	.00801	.01595
		4555	2.300					
2526.0	3509.49			-.031	.54970	-.01722	-.01582	.00140
		4279	2.300					
2528.0	3513.77			-.046	.54856	-.02509	-.01367	.01142
		3905	2.300					
2530.0	3517.67			-.040	.54769	-.02184	-.01929	.00255
		3606	2.300					
2532.0	3521.28			-.010	.54763	-.00558	-.03999	-.03441
		3533	2.300					
2534.0	3524.81			.033	.54702	.01823	.02430	.00607
		3777	2.300					
2536.0	3528.59			-.012	.54695	-.00659	-.03910	-.03252
		3687	2.300					
2538.0	3532.28			-.008	.54691	-.00450	.00312	.00762
		3627	2.300					
2540.0	3535.90			.050	.54556	.02713	.06858	.04145
		4005	2.300					
2542.0	3539.91			.111	.53880	.06076	.01319	-.04757
		5009	2.300					
2544.0	3544.92			.008	.53876	.00451	-.00800	-.01250
		5093	2.300					
2546.0	3550.01			-.056	.53707	-.03014	.01807	.04821
		4554	2.300					
2548.0	3554.56			-.073	.53419	-.03937	-.06225	-.02288
		3932	2.300					
2550.0	3558.49			.019	.53399	.01028	.04334	.03306
		4086	2.300					
2552.0	3562.58			-.013	.53390	-.00686	-.03895	-.03209
		3982	2.300					
2554.0	3566.56			-.001	.53390	-.00037	-.00855	-.00818
		3977	2.300					
2556.0	3570.54			.004	.53389	.00188	.03059	.02871
		4005	2.300					
2558.0	3574.55			-.006	.53387	-.00316	-.01557	-.01241
		3958	2.300					
2560.0	3578.50			.081	.53034	.04342	.03119	-.01222
		4659	2.300					
2562.0	3583.16			-.067	.52793	-.03576	-.03153	.00423
		4070	2.300					
2564.0	3587.23			.071	.52524	.03769	.03174	-.00595
		4696	2.300					
2566.0	3591.93			-.030	.52477	-.01566	.00191	.01756
		4424	2.300					
2568.0	3596.35			.017	.52462	.00895	.01290	.00395

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
		4577	2.300					
2570.0	3600.93			0	0	0	.02092	.02092
2572.0							.00667	.00667
2574.0							-.00675	-.00675
2576.0							.02539	.02539
2578.0							-.01995	-.01995
2580.0							-.00406	-.00406
2582.0							-.03014	-.03014
2584.0							.00105	.00105
2586.0							.01744	.01744
2588.0							-.03152	-.03152
2590.0							-.01065	-.01065
2592.0							.01702	.01702
2594.0							.04084	.04084
2596.0							-.00330	-.00330
2598.0							-.01374	-.01374
2600.0							-.00380	-.00380
2602.0							-.01874	-.01874
2604.0							.01174	.01174
2606.0							.00442	.00442
2608.0							.03625	.03625
2610.0							-.04876	-.04876
2612.0							.01245	.01245
2614.0							-.00319	-.00319
2616.0							-.02178	-.02178

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
2618.0							.01297	.01297
2620.0							.02263	.02263
2622.0							-.01801	-.01801
2624.0							.00300	.00300
2626.0							-.03593	-.03593
2628.0							-.00043	-.00043
2630.0							.02484	.02484
2632.0							.01653	.01653
2634.0							.00334	.00334
2636.0							.00284	.00284
2638.0							-.00525	-.00525
2640.0							-.00797	-.00797
2642.0							.00039	.00039
2644.0							-.00071	-.00071
2646.0							.02738	.02738
2648.0							.00873	.00873
2650.0							-.04135	-.04135
2652.0							-.00917	-.00917
2654.0							.00491	.00491
2656.0							-.02541	-.02541
2658.0							.00990	.00990
2660.0							-.00949	-.00949
2662.0							.01628	.01628
2664.0							.02542	.02542
2666.0							-.01322	-.01322

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
2668.0							.02972	.02972
2670.0							-.02922	-.02922
2672.0							-.01123	-.01123
2674.0							.02058	.02058
2676.0							.00641	.00641
2678.0							-.00153	-.00153
2680.0							.00560	.00560
2682.0							-.02458	-.02458
2684.0							.01132	.01132
2686.0							-.00910	-.00910
2688.0							.00100	.00100
2690.0							.00735	.00735
2692.0							-.00332	-.00332
2694.0							.00150	.00150
2696.0							-.00395	-.00395
2698.0							-.02402	-.02402
2700.0							.01062	.01062
2702.0							-.00460	-.00460
2704.0							.03753	.03753
2706.0							-.00086	-.00086
2708.0							.00243	.00243
2710.0							-.01347	-.01347
2712.0							-.01260	-.01260
2714.0							.01797	.01797

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
2716.0							-.00470	-.00470
2718.0							.00213	.00213
2720.0							-.00073	-.00073
2722.0							.00431	.00431
2724.0							-.01744	-.01744
2726.0							-.00256	-.00256
2728.0							-.00535	-.00535
2730.0							.00992	.00992
2732.0							.00797	.00797
2734.0							.00457	.00457
2736.0							.01189	.01189
2738.0							-.01696	-.01696
2740.0							.00106	.00106
2742.0							.01491	.01491
2744.0							-.01759	-.01759
2746.0							.00112	.00112
2748.0							.00422	.00422
2750.0							.01191	.01191
2752.0							-.02052	-.02052
2754.0							-.01602	-.01602
2756.0							.02781	.02781
2758.0							-.04648	-.04648
2760.0							.03840	.03840
2762.0							-.00257	-.00257
2764.0							-.00242	-.00242

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
2766.0							.02555	.02555
2768.0							-.03808	-.03808
2770.0							.00576	.00576
2772.0							-.02560	-.02560
2774.0							.01936	.01936
2776.0							-.00879	-.00879
2778.0							.00936	.00936
2780.0							.01386	.01386
2782.0							.01928	.01928
2784.0							-.00392	-.00392
2786.0							-.00282	-.00282
2788.0							.00848	.00848
2790.0							-.01142	-.01142
2792.0							-.00969	-.00969
2794.0							-.02161	-.02161
2796.0							-.00014	-.00014
2798.0							.00555	.00555
2800.0							-.00738	-.00738
2802.0							.00659	.00659
2804.0							.00342	.00342
2806.0							.01317	.01317
2808.0							.00920	.00920
2810.0							-.03597	-.03597
2812.0							.01014	.01014

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
2814.0							.01797	.01797
2816.0							.02312	.02312
2818.0							-.00700	-.00700
2820.0							-.02834	-.02834
2822.0							.01308	.01308
2824.0							.00306	.00306
2826.0							-.00207	-.00207
2828.0							.02257	.02257
2830.0							-.02821	-.02821
2832.0							-.01160	-.01160
2834.0							-.01478	-.01478
2836.0							-.00844	-.00844
2838.0							-.00328	-.00328
2840.0							-.01225	-.01225
2842.0							.03398	.03398
2844.0							.01565	.01565
2846.0							-.00690	-.00690
2848.0							.00103	.00103
2850.0							-.01235	-.01235
2852.0							-.00363	-.00363
2854.0							.03615	.03615
2856.0							-.01621	-.01621
2858.0							.00865	.00865
2860.0							.00851	.00851
2862.0							-.00352	-.00352

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
2864.0							-.01805	-.01805
2866.0							.00368	.00368
2868.0							-.01694	-.01694
2870.0							-.01335	-.01335
2872.0							.01807	.01807
2874.0							.00886	.00886
2876.0							-.02110	-.02110
2878.0							.01071	.01071
2880.0							.01781	.01781
2882.0							-.01461	-.01461
2884.0							-.00900	-.00900
2886.0							.02004	.02004
2888.0							.01634	.01634
2890.0							-.02811	-.02811
2892.0							-.05166	-.05166
2894.0							.00320	.00320
2896.0							.03181	.03181
2898.0							.00098	.00098
2900.0							-.00021	-.00021
2902.0							.01985	.01985
2904.0							.00866	.00866
2906.0							-.00123	-.00123
2908.0							-.03164	-.03164
2910.0							-.00369	-.00369

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
2912.0							.00539	.00539
2914.0							.03400	.03400
2916.0							-.00426	-.00426
2918.0							.00186	.00186
2920.0							-.01712	-.01712
2922.0							-.00745	-.00745
2924.0							.00009	.00009
2926.0							-.00436	-.00436
2928.0							.00619	.00619
2930.0							-.00699	-.00699
2932.0							-.00700	-.00700
2934.0							.00747	.00747
2936.0							.00265	.00265
2938.0							-.00779	-.00779
2940.0							.02270	.02270
2942.0							.01292	.01292
2944.0							.00401	.00401
2946.0							-.00275	-.00275
2948.0							.00561	.00561
2950.0							.00371	.00371
2952.0							-.01938	-.01938
2954.0							-.02407	-.02407
2956.0							.01005	.01005
2958.0							-.00638	-.00638
2960.0							.01320	.01320

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
2962.0							-.00867	-.00867
2964.0							-.00628	-.00628
2966.0							-.00361	-.00361
2968.0							.01169	.01169
2970.0							.00050	.00050
2972.0							.00256	.00256
2974.0							-.00782	-.00782
2976.0							-.00100	-.00100
2978.0							.01263	.01263
2980.0							-.01804	-.01804
2982.0							.01364	.01364
2984.0							.00866	.00866
2986.0							.00354	.00354
2988.0							-.00338	-.00338
2990.0							-.00804	-.00804
2992.0							.01139	.01139
2994.0							.00501	.00501
2996.0							-.00001	-.00001
2998.0							-.00643	-.00643
3000.0							-.02052	-.02052
3002.0							-.00430	-.00430
3004.0							.01908	.01908
3006.0							.03331	.03331
3008.0							-.02248	-.02248

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
3010.0							-.03756	-.03756
3012.0							.01949	.01949
3014.0							.00015	.00015
3016.0							.01337	.01337
3018.0							-.02093	-.02093
3020.0							.00286	.00286
3022.0							-.00448	-.00443
3024.0							.03594	.03594
3026.0							-.01517	-.01517
3028.0							.00122	.00122
3030.0							-.01113	-.01113
3032.0							.00057	.00057
3034.0							.00711	.00711
3036.0							-.02264	-.02264
3038.0							.00349	.00349
3040.0							.02831	.02831
3042.0							-.00444	-.00444
3044.0							-.01025	-.01025
3046.0							.02144	.02144
3048.0							-.02320	-.02320
3050.0							.01299	.01299
3052.0							-.00307	-.00307
3054.0							-.00235	-.00235
3056.0							.01482	.01482
3058.0							-.02161	-.02161

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
3060.0							-.02667	-.02667
3062.0							.02100	.02100
3064.0							.00277	.00277
3066.0							-.02685	-.02685
3068.0							.00559	.00559
3070.0							.02527	.02527
3072.0							.02837	.02837
3074.0							-.04327	-.04327
3076.0							-.01376	-.01376
3078.0							.02432	.02432
3080.0							.00279	.00279
3082.0							.01701	.01701
3084.0							-.01424	-.01424
3086.0							.02169	.02169
3088.0							-.01058	-.01058
3090.0							-.03177	-.03177
3092.0							.00318	.00318
3094.0							.00340	.00340
3096.0							.00386	.00386
3098.0							.00407	.00407
3100.0							-.00470	-.00470
3102.0							-.02312	-.02312
3104.0							.00801	.00801
3106.0							.01020	.01020

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
3108.0							.01361	.01361
3110.0							-.00550	-.00550
3112.0							-.03808	-.03808
3114.0							-.00922	-.00922
3116.0							.03002	.03002
3118.0							-.00511	-.00511
3120.0							.02303	.02303
3122.0							-.00521	-.00521
3124.0							.02354	.02354
3126.0							-.01058	-.01058
3128.0							-.01110	-.01110
3130.0							-.01059	-.01059
3132.0							-.00694	-.00694
3134.0							.01868	.01868
3136.0							-.01427	-.01427
3138.0							.00140	.00140
3140.0							-.01738	-.01738
3142.0							.01651	.01651
3144.0							.01776	.01776
3146.0							-.00997	-.00997
3148.0							-.00593	-.00593
3150.0							-.00230	-.00230
3152.0							-.00568	-.00568
3154.0							.01623	.01623
3156.0							.01539	.01539

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
3158.0							-.04252	-.04252
3160.0							.02151	.02151
3162.0							-.01977	-.01977
3164.0							.01648	.01648
3166.0							-.00905	-.00905
3168.0							.00083	.00083
3170.0							.00869	.00869
3172.0							-.00646	-.00646
3174.0							-.00534	-.00534
3176.0							-.01179	-.01179
3178.0							.03261	.03261
3180.0							-.00070	-.00070
3182.0							-.02815	-.02815
3184.0							.01578	.01578
3186.0							-.01562	-.01562
3188.0							.00286	.00286
3190.0							.01804	.01804
3192.0							.00606	.00606
3194.0							-.01530	-.01530
3196.0							-.01102	-.01102
3198.0							.01725	.01725
3200.0							.00147	.00147
3202.0							-.00766	-.00766
3204.0							.00277	.00277

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
3206.0							.02368	.02368
3208.0							-.03180	-.03180
3210.0							.00515	.00515
3212.0							-.02333	-.02333
3214.0							.01135	.01135
3216.0							.03478	.03478
3218.0							.00507	.00507
3220.0							-.02835	-.02835
3222.0							.00404	.00404
3224.0							.01378	.01378
3226.0							-.01041	-.01041
3228.0							-.03924	-.03924
3230.0							.00417	.00417
3232.0							.03236	.03236
3234.0							-.01613	-.01613
3236.0							.01736	.01736
3238.0							.01542	.01542
3240.0							-.00757	-.00757
3242.0							.00671	.00671
3244.0							-.01289	-.01289
3246.0							-.00440	-.00440
3248.0							.03206	.03206
3250.0							-.02616	-.02616
3252.0							.01247	.01247
3254.0							-.02498	-.02498

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
3256.0							-.00951	-.00951
3258.0							.01053	.01053
3260.0							.00928	.00928
3262.0							-.00798	-.00798
3264.0							.01006	.01006
3266.0							.01125	.01125
3268.0							-.01825	-.01825
3270.0							.00772	.00772
3272.0							.00176	.00176
3274.0							.00322	.00322
3276.0							-.00559	-.00559
3278.0							-.00353	-.00353
3280.0							.00800	.00800
3282.0							.00550	.00550
3284.0							.02505	.02505
3286.0							-.02422	-.02422
3288.0							-.02193	-.02193
3290.0							.01994	.01994
3292.0							-.00966	-.00966
3294.0							.01639	.01639
3296.0							-.02077	-.02077
3298.0							.01860	.01860
3300.0							-.00179	-.00179
3302.0							-.02799	-.02799

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
3304.0							-.01160	-.01160
3306.0							.01448	.01448
3308.0							-.00028	-.00028
3310.0							.02760	.02760
3312.0							.01186	.01186
3314.0							-.00020	-.00020
3316.0							-.00473	-.00473
3318.0							-.01728	-.01728
3320.0							.01141	.01141
3322.0							.00526	.00526
3324.0							.01655	.01655
3326.0							-.00698	-.00698
3328.0							.00197	.00197
3330.0							.00229	.00229
3332.0							-.01865	-.01865
3334.0							.00357	.00357
3336.0							-.00138	-.00138
3338.0							.03315	.03315
3340.0							-.01754	-.01754
3342.0							.00169	.00169
3344.0							-.04207	-.04207
3346.0							.00825	.00825
3348.0							.01427	.01427
3350.0							.01004	.01004
3352.0							-.00658	-.00658

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
3354.0							-.01208	-.01208
3356.0							.02971	.02971
3358.0							-.00356	-.00356
3360.0							-.00335	-.00335
3362.0							.01737	.01737
3364.0							.02112	.02112
3366.0							-.02658	-.02658
3368.0							-.03540	-.03540
3370.0							.01374	.01374
3372.0							.02554	.02554
3374.0							-.00058	-.00058
3376.0							-.02296	-.02296
3378.0							-.00316	-.00316
3380.0							-.02218	-.02218
3382.0							.01806	.01806
3384.0							.02675	.02675
3386.0							-.01335	-.01335
3388.0							.00834	.00834
3390.0							.00481	.00481
3392.0							-.01703	-.01703
3394.0							-.00232	-.00232
3396.0							-.01326	-.01326
3398.0							.07059	.07059
3400.0							-.01720	-.01720

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
3402.0							-.00560	-.00560
3404.0							-.01523	-.01523
3406.0							-.00050	-.00050
3408.0							-.01007	-.01007
3410.0							-.00117	-.00117
3412.0							-.01451	-.01451
3414.0							.00516	.00516
3416.0							.00760	.00760
3418.0							.02253	.02253
3420.0							.00178	.00178
3422.0							.00505	.00505
3424.0							-.03397	-.03397
3426.0							.01013	.01013
3428.0							.01131	.01131
3430.0							.00491	.00491
3432.0							-.02493	-.02493
3434.0							.00624	.00624
3436.0							.00497	.00497
3438.0							-.00478	-.00478
3440.0							-.01674	-.01674
3442.0							-.00767	-.00767
3444.0							.04745	.04745
3446.0							.01156	.01156
3448.0							-.00724	-.00724
3450.0							-.00373	-.00373

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
3452.0							-.00537	-.00537
3454.0							-.01512	-.01512
3456.0							-.00558	-.00558
3458.0							-.01977	-.01977
3460.0							.02789	.02789
3462.0							.00736	.00736
3464.0							.00601	.00601
3466.0							.00511	.00511
3468.0							-.01753	-.01753
3470.0							.00153	.00153
3472.0							.00340	.00340
3474.0							.00976	.00976
3476.0							-.02374	-.02374
3478.0							.01044	.01044
3480.0							.01245	.01245
3482.0							-.01397	-.01397
3484.0							-.03179	-.03179
3486.0							.00054	.00054
3488.0							.02977	.02977
3490.0							.00605	.00605
3492.0							-.00587	-.00587
3494.0							-.00425	-.00425
3496.0							-.00036	-.00036
3498.0							.01454	.01454

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
3500.0							-.02523	-.02523
3502.0							.01467	.01467

Enclosures

PE905981

This is an enclosure indicator page.
The enclosure PE905981 is enclosed within the container PE905980 at this location in this document.

The enclosure PE905981 has the following characteristics:

ITEM_BARCODE	= PE905981
CONTAINER_BARCODE	= PE905980
NAME	= Geogram
BASIN	= GIPPSLAND BASIN
PERMIT	= VIC/P24
TYPE	= WELL
SUBTYPE	= SYNTH_SEISMOGRAM
DESCRIPTION	= Geogram, Synthetic Seismogram 45Hz zero phase Richer Wavelet-Part A (from Velocity Survey Report--attachment to WCR) for Blackback-1
REMARKS	=
DATE_CREATED	= 20/07/89
DATE_RECEIVED	=
W_NO	= W994
WELL_NAME	= BLACKBACK-1
CONTRACTOR	= SCHLUMBERGER
CLIENT_OP_CO	= ESSO AUSTRALIA LTD

(Inserted by DNRE - Vic Govt Mines Dept)

PE905982

This is an enclosure indicator page.
The enclosure PE905982 is enclosed within the container PE905980 at this location in this document.

The enclosure PE905982 has the following characteristics:

ITEM_BARCODE	= PE905982
CONTAINER_BARCODE	= PE905980
NAME	= Geogram
BASIN	= GIPPSLAND BASIN
PERMIT	= VIC/P24
TYPE	= WELL
SUBTYPE	= SYNTH_SEISMOGRAM
DESCRIPTION	= Geogram,Synthetic Seismogram 25Hz zero phase Richer Wavelet-Part A (from Velocity Survey Report--attachment to WCR) for Blackback-1
REMARKS	=
DATE_CREATED	= 20/07/89
DATE_RECEIVED	=
W_NO	= W994
WELL_NAME	= BLACKBACK-1
CONTRACTOR	= SCHLUMBERGER
CLIENT_OP_CO	= ESSO AUSTRALIA LTD

(Inserted by DNRE - Vic Govt Mines Dept)

PE905983

This is an enclosure indicator page.
The enclosure PE905983 is enclosed within the container PE905980 at this location in this document.

The enclosure PE905983 has the following characteristics:

ITEM_BARCODE	= PE905983
CONTAINER_BARCODE	= PE905980
NAME	= Geogram
BASIN	= GIPPSLAND BASIN
PERMIT	= VIC/P24
TYPE	= WELL
SUBTYPE	= SYNTH_SEISMOGRAM
DESCRIPTION	= Geogram,Synthetic Seismogram 45Hz zero phase Richer Wavelet-Part B (from Velocity Survey Report--attachment to WCR) for Blackback-1
REMARKS	=
DATE_CREATED	= 20/07/89
DATE_RECEIVED	=
W_NO	= W994
WELL_NAME	= BLACKBACK-1
CONTRACTOR	= SCHLUMBERGER
CLIENT_OP_CO	= ESSO AUSTRALIA LTD

(Inserted by DNRE - Vic Govt Mines Dept)

PE905984

This is an enclosure indicator page.
The enclosure PE905984 is enclosed within the container PE905980 at this location in this document.

The enclosure PE905984 has the following characteristics:

ITEM_BARCODE	= PE905984
CONTAINER_BARCODE	= PE905980
NAME	= Geogram
BASIN	= GIPPSLAND BASIN
PERMIT	= VIC/P24
TYPE	= WELL
SUBTYPE	= SYNTH_SEISMOGRAM
DESCRIPTION	= Geogram,Synthetic Seismogram 35Hz zero phase Richer Wavelet-Part B (from Velocity Survey Report--attachment to WCR) for Blackback-1
REMARKS	=
DATE_CREATED	= 20/07/89
DATE_RECEIVED	=
W_NO	= W994
WELL_NAME	= BLACKBACK-1
CONTRACTOR	= SCHLUMBERGER
CLIENT_OP_CO	= ESSO AUSTRALIA LTD

(Inserted by DNRE - Vic Govt Mines Dept)

PE905985

This is an enclosure indicator page.
The enclosure PE905985 is enclosed within the container PE905980 at this location in this document.

The enclosure PE905985 has the following characteristics:

ITEM_BARCODE	= PE905985
CONTAINER_BARCODE	= PE905980
NAME	= Geogram
BASIN	= GIPPSLAND BASIN
PERMIT	= VIC/P24
TYPE	= WELL
SUBTYPE	= SYNTH_SEISMOGRAM
DESCRIPTION	= Geogram,Synthetic Seismogram 25Hz zero phase Richer Wavelet-Part B (from Velocity Survey Report--attachment to WCR) for Blackback-1
REMARKS	=
DATE_CREATED	= 20/07/89
DATE_RECEIVED	=
W_NO	= W994
WELL_NAME	= BLACKBACK-1
CONTRACTOR	= SCHLUMBERGER
CLIENT_OP_CO	= ESSO AUSTRALIA LTD

(Inserted by DNRE - Vic Govt Mines Dept)

PE905986

This is an enclosure indicator page.
The enclosure PE905986 is enclosed within the container PE905980 at this location in this document.

The enclosure PE905986 has the following characteristics:

ITEM_BARCODE	= PE905986
CONTAINER_BARCODE	= PE905980
NAME	= Geogram
BASIN	= GIPPSLAND BASIN
PERMIT	= VIC/P24
TYPE	= WELL
SUBTYPE	= SYNTH_SEISMOGRAM
DESCRIPTION	= Geogram,Synthetic Seismogram 35Hz zero phase Richer Wavelet-Part A (from Velocity Survey Report--attachment to WCR) for Blackback-1
REMARKS	=
DATE_CREATED	= 20/07/89
DATE_RECEIVED	=
W_NO	= W994
WELL_NAME	= BLACKBACK-1
CONTRACTOR	= SCHLUMBERGER
CLIENT_OP_CO	= ESSO AUSTRALIA LTD

(Inserted by DNRE - Vic Govt Mines Dept)

PE604501

This is an enclosure indicator page.
The enclosure PE604501 is enclosed within the container PE905980 at this location in this document.

The enclosure PE604501 has the following characteristics:

ITEM_BARCODE	= PE604501
CONTAINER_BARCODE	= PE905980
NAME	= Seismic Calibration Log
BASIN	= GIPPSLAND BASIN
PERMIT	= VIC/P24
TYPE	= WELL
SUBTYPE	= VELOCITY_CHART
DESCRIPTION	= Seismic Calibration Log, Adjusted Continuous Velocity log -Part B (from Velocity Survey Report--attachment to WCR) for Blackback-1
REMARKS	=
DATE_CREATED	= 20/07/89
DATE_RECEIVED	=
W_NO	= W994
WELL_NAME	= BLACKBACK-1
CONTRACTOR	= SCHLUMBERGER
CLIENT_OP_CO	= ESSO AUSTRALIA LTD

(Inserted by DNRE - Vic Govt Mines Dept)

PE604502

This is an enclosure indicator page.
The enclosure PE604502 is enclosed within the container PE905980 at this location in this document.

The enclosure PE604502 has the following characteristics:

ITEM_BARCODE	= PE604502
CONTAINER_BARCODE	= PE905980
NAME	= Seismic Calibration Log
BASIN	= GIPPSLAND BASIN
PERMIT	= VIC/P24
TYPE	= WELL
SUBTYPE	= VELOCITY_CHART
DESCRIPTION	= Seismic Calibration Log, Adjusted Continuous Velocity log -Part A (from Velocity Survey Report--attachment to WCR) for Blackback-1
REMARKS	=
DATE_CREATED	= 20/07/89
DATE_RECEIVED	=
W_NO	= W994
WELL_NAME	= BLACKBACK-1
CONTRACTOR	= SCHLUMBERGER
CLIENT_OP_CO	= ESSO AUSTRALIA LTD

(Inserted by DNRE - Vic Govt Mines Dept)

PE604503

This is an enclosure indicator page.
The enclosure PE604503 is enclosed within the container PE905980 at this location in this document.

The enclosure PE604503 has the following characteristics:

ITEM_BARCODE	= PE604503
CONTAINER_BARCODE	= PE905980
NAME	= Drift Corrected Sonic
BASIN	= GIPPSLAND BASIN
PERMIT	= VIC/P24
TYPE	= WELL
SUBTYPE	= VELOCITY_CHART
DESCRIPTION	= Drift Corrected Sonic -Part A (from Velocity Survey Report--attachment to WCR) for Blackback-1
REMARKS	=
DATE_CREATED	= 20/07/89
DATE_RECEIVED	=
W_NO	= W994
WELL_NAME	= BLACKBACK-1
CONTRACTOR	= SCHLUMBERGER
CLIENT_OP_CO	= ESSO AUSTRALIA LTD

(Inserted by DNRE - Vic Govt Mines Dept)

PE604504

This is an enclosure indicator page.
The enclosure PE604504 is enclosed within the container PE905980 at this location in this document.

The enclosure PE604504 has the following characteristics:

ITEM_BARCODE	= PE604504
CONTAINER_BARCODE	= PE905980
NAME	= Drift Corrected Sonic
BASIN	= GIPPSLAND BASIN
PERMIT	= VIC/P24
TYPE	= WELL
SUBTYPE	= VELOCITY_CHART
DESCRIPTION	= Drift Corrected Sonic -Part B (from Velocity Survey Report--attachment to WCR) for Blackback-1
REMARKS	=
DATE_CREATED	= 20/07/89
DATE_RECEIVED	=
W_NO	= W994
WELL_NAME	= BLACKBACK-1
CONTRACTOR	= SCHLUMBERGER
CLIENT_OP_CO	= ESSO AUSTRALIA LTD

(Inserted by DNRE - Vic Govt Mines Dept)