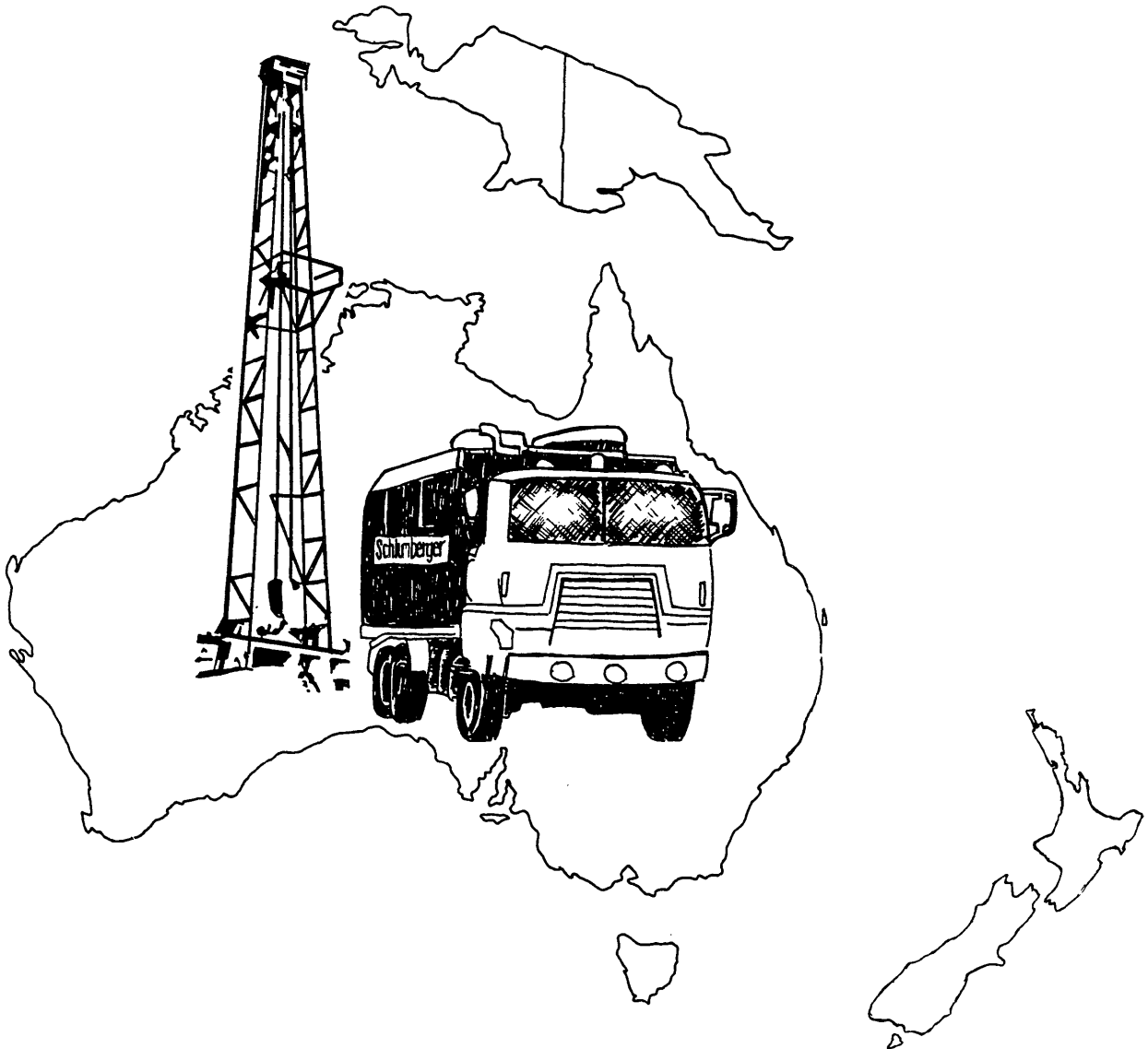


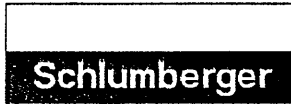
Attachment to WCR
Sonic Calibration & Geogram Processing
Report

DEPT. NAT. RES & ENV
PE907035

Snook-1 (W1019)



Schlumberger



ESSO AUSTRALIA LTD.

SONIC CALIBRATION
AND GEOGRAM

~~PROCESSING REPORT~~
PETROLEUM DIVISION

SNOOK #1 10 MAY 1990

10 MAY 1990

FIELD : WILDCAT

STATE : VICTORIA

COUNTRY : AUSTRALIA

COORDINATES : 038° 19' 41.46" S
147° 24' 17.87" E

LOCATION : BASS STRAIT VIC/P27
SEISMIC LINE G88A-9042

DATE OF SURVEY : 24-JAN-1990

REFERENCE NO. : SYJ-56558

INTERVAL : 1526.0 - 175.0 M

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1. Introduction

A checkshot survey of the Snook #1 well has been used to calibrate the sonic log and generate a synthetic seismogram using 25,35 and 45 hertz zero phase Ricker wavelets. The final presentation includes a synthetic seismogram at 10 cm/sec as well as a drift corrected sonic plot and a seismic calibration log.

2. Data Acquisition

The data was acquired with the WST (Well seismic tool) tool. Recording was made on the Schlumberger Cyber Service Unit (CSU) using LIS format at a tape density of 800 BPI.

Table 1: Survey Parameters

Datum	MSL
Elevation KB	21.0 metres AMSL
Elevation DF	20.7 metres AMSL
Elevation GL	-28.0 metres below MSL
Total Depth	1526.0 metres below KB
Energy Source	Airgun
Source Offset	40 metres
Source Depth	5.0 metres below MSL
Source Azimuth	95 deg
Hydrophone Offset	40 metres
Hydrophone Depth	9.0 metres below MSL
Hydrophone Azimuth	95 deg

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

$\Delta t - \Delta t_{min}$ is reduced through multiplication by a reduction coefficient which remains constant over the interval. This reduction coefficient, named G , can be 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 mean sea level (SRD).

3.3 Open Hole Logs

The sonic log has been recorded from 1526.0 to 175.0 metres below KB. The overall log quality is good with small zones of cycle skipping having been patched out. The density log was recorded over the interval 1526.0-742.0 metres.

The gamma ray and caliper curves are included as correlation curves.

3.4 Sonic Calibration Results

The top of the sonic log (175.0 metres below KB) is chosen as the origin for the calibration drift curve. The drift curve indicates a number of corrections to be made to the sonic log. The adjusted sonic curve is considered to be the best result using the available data. A list of shifts used on the sonic data is given in the geophysical listings section.

4. Synthetic Seismogram Processing

GEOGRAM plots were generated using 25,35 and 45 hertz zero phase Ricker wavelet

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 mil-lisecs). Reflection coefficients are then computed using:

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

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 coefficient, 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

Six 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.

$$v_{rms} = \sqrt{\frac{\sum_1^n v_i^2 t_i}{\sum_1^n t_i}}$$

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).

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

where:

$$\begin{aligned} \Delta t &= \text{normal moveout (secs)} \\ X &= \text{moveout distance (meters)} \\ t &= \text{two way time (secs)} \\ v_{rms} &= \text{rms velocity (meters /sec)} \end{aligned}$$

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.

A6 Synthetic Seismogram Table

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

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

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

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

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

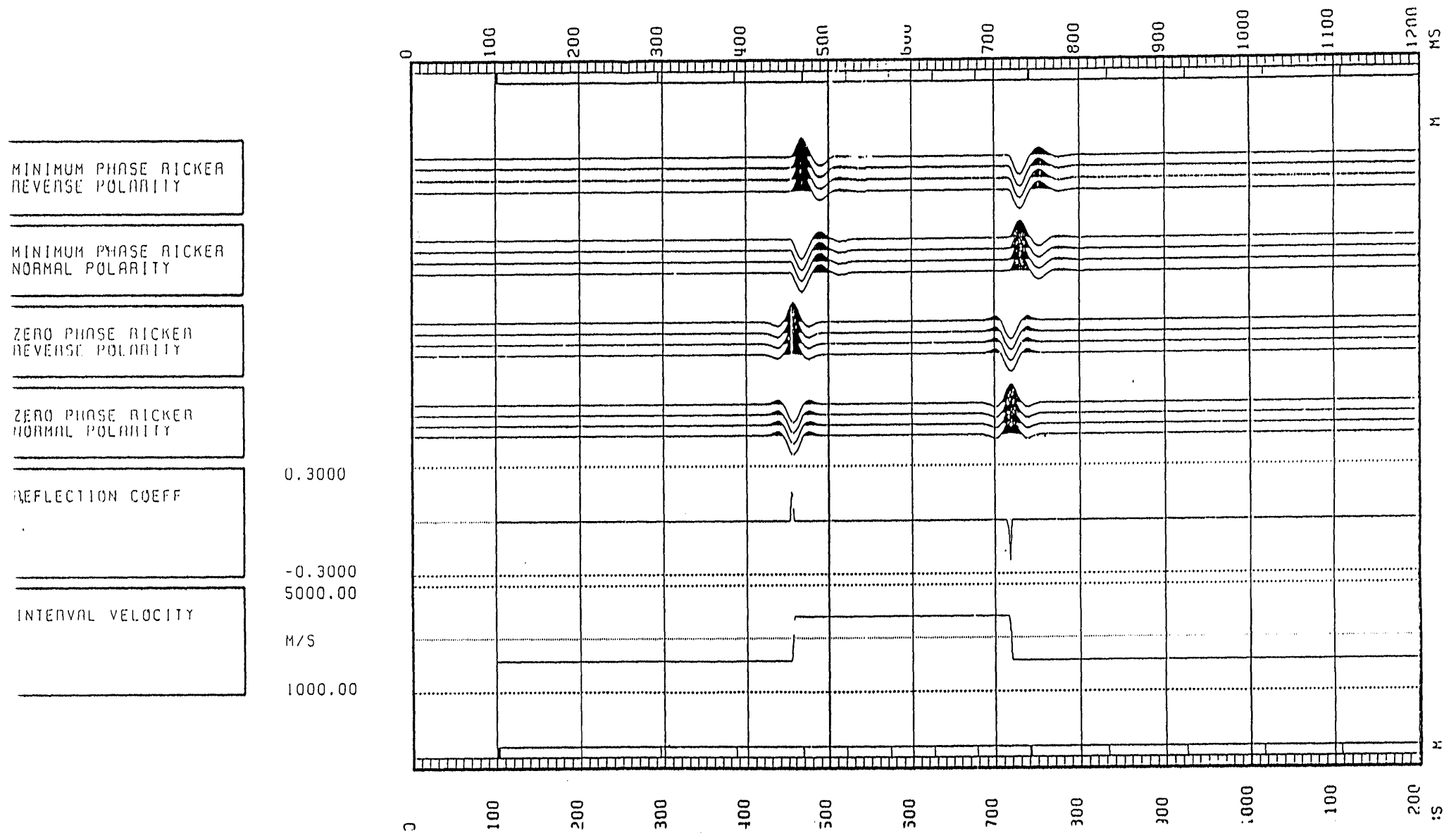
LIST OF ENCLOSURES

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

Figure 1. Wavelet Polarity Convention.
Figure 2. Stacked Data.

SCHLUMBERGER (SEG-1976) WAVELET POLARITY CONVENTION

Figure 1



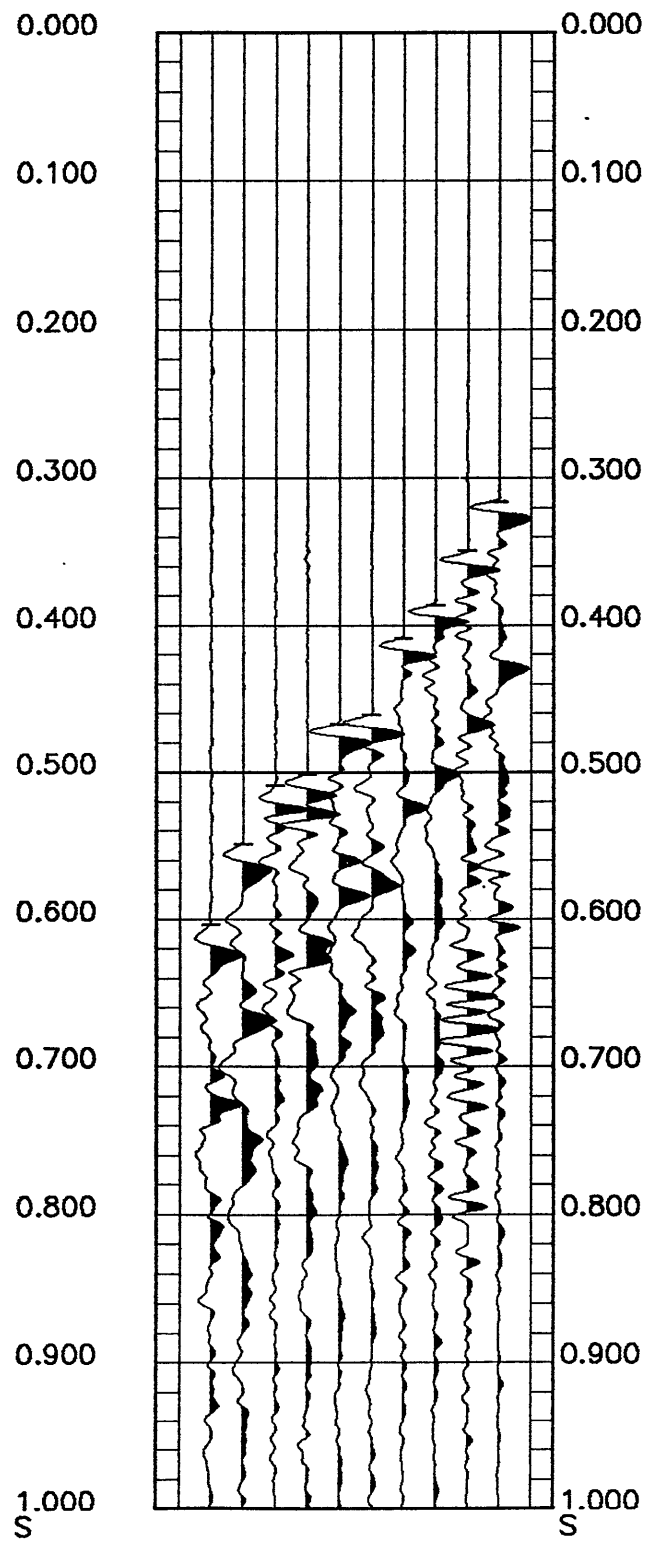
CLIENT = ESSO AUSTRALIA LTD.

FIELD = WILDCAT

WELL = SNOOK 1

FIG 2

RAW DEPTH	TRANSIT TIME	LEVEL NO
755.0	0.316	13
852.0	0.349	12
945.0	0.386	11
1001.0	0.408	10
1128.0	0.461	9
1147.0	0.467	8
1245.0	0.501	7
1265.5	0.509	6
1379.9	0.549	4
1562.0	0.603	1



Shots

ANALYST: Z.KATELIS

13-FEB-90 13:27:18

PROGRAM: GSHOT 007.E08

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

COMPANY : ESSO AUSTRALIA LTD.
WELL : SNOOK #1
FIELD : WILDCAT
COUNTRY : AUSTRALIA
REFERENCE: SYJ-56558

LONG DEFINITIONS

GLOBAL

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

MATRIX

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

SAMPLED

SHOT.GSH - SHOT NUMBER
 DKR.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	:	-28.0000	M
VEL SOURCE-HYDRO (WST)	VELHYD	:	1480.00	M/S
VEL SOURCE-SRD (WST)	VELSUR	:	1480.00	M/S

(MATRIX PARAMETERS)

	SOURCE ELV M	SOURCE EW M	SOURCE NS M	HYDRO ELEV M	HYDRO EW M	HYDRO NS M
1	-5.00	39.85	-3.49	-9.00	39.85	-3.49

	TRT HYD-SC MS	TRT SC-SRD MS
1	2.70	3.38

	MD @ KB M	VD @ KB M	VD @ SRD M	E-W COORD M	N-S COORD M
1	49.00	49.00	28.00	0	0
2	175.11	175.11	154.11	0	0
3	755.00	755.00	734.00	0	0
4	852.00	852.00	831.00	0	0
5	945.00	945.00	924.00	0	0
6	1001.00	1001.00	980.00	0	0
7	1128.00	1128.00	1107.00	0	0
8	1147.00	1147.00	1126.00	0	0
9	1245.00	1245.00	1224.00	0	0
10	1265.50	1265.50	1244.50	0	0
11	1379.90	1379.90	1358.90	0	0
12	1525.98	1525.98	1504.98	0	0

COMPANY : ESSO AUSTRALIA LTD.

WELL : SNOOK #1

PAGE 3

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	49.00	28.00	0	28.47	15.54	18.92	1480			
2	175.11	154.11	126.11	88.00	87.61	90.98	1694	126.11	72.07	1750
3	755.00	734.00	706.00	316.00	318.22	321.60	2282	579.89	230.62	2514
4	852.00	831.00	803.00	349.43	351.72	355.10	2340	97.00	33.50	2896
5	945.00	924.00	896.00	385.60	387.94	391.31	2361	93.00	36.21	2568
6	1001.00	980.00	952.00	408.30	410.66	414.04	2367	56.00	22.72	2465
7	1128.00	1107.00	1079.00	460.54	462.94	466.32	2374	127.00	52.28	2420
8	1147.00	1126.00	1098.00	466.83	469.23	472.61	2383	19.00	6.30	3018
9	1245.00	1224.00	1196.00	501.01	503.44	506.82	2415	98.00	34.21	2865
10	1265.50	1244.50	1216.50	509.00	511.44	514.81	2417	20.50	7.99	2564
11	1379.90	1358.90	1330.90	553.00	555.46	558.84	2432	114.40	44.02	2590
12	1525.98	1504.98	1476.98	601.46	603.95	607.33	2478	146.08	48.49	3013

Drift

ANALYST: Z.KATELIS

13-FEB-90 13:31:18

PROGRAM: GDRIFT 007.E09

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

DRIFT COMPUTATION REPORT

COMPANY : ESSO AUSTRALIA LTD.
WELL : SNOOK #1
FIELD : WILDCAT
COUNTRY : AUSTRALIA
REFERENCE: SYJ-56558

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 - SHCT TIME (WST)
 RAW - 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	:	-28.0000	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.002.FLP.*	
UNIFORM DENSITY VALUE	UNFDEN	:	2.30000	G/C3

(ZONED PARAMETERS)

(VALUE)

(LIMITS)

LAYER OPTION FLAG DENS	LOFDEN	:	1.000000	30479.7	-	0
USER SUPPLIED DENSITY DA	LAYDEN	:	0	G/C3	0	0

COMPANY : ESSO AUSTRALIA LTD.

WELL : SNOOK #1

PAGE 2

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/M
1	49.00	28.00	0	18.92	18.92	0	0
2	175.11	154.11	126.11	90.98	90.98	0	0
3	755.00	734.00	706.00	321.60	316.45	5.16	8.89
4	852.00	831.00	803.00	355.10	348.85	6.24	11.22
5	945.00	924.00	896.00	391.31	383.20	8.11	20.06
6	1001.00	980.00	952.00	414.04	405.31	8.72	10.95
7	1128.00	1107.00	1079.00	466.32	456.55	9.77	8.22
8	1147.00	1126.00	1098.00	472.61	463.32	9.29	-25.10
9	1245.00	1224.00	1196.00	506.82	497.75	9.07	-2.23
10	1265.50	1244.50	1216.50	514.81	505.32	9.50	20.81
11	1379.90	1358.90	1330.90	558.84	549.40	9.44	-.48
12	1525.98	1504.98	1476.98	607.33	597.94	9.39	-.35

Time / Depth

LONG DEFINITIONS

GLOBAL

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

MATRIX

MVODIS - MOVE-OUT DISTANCE FROM BOREHOLE

ZONE

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

SAMPLED

TWOT - TWO WAY TRAVEL TIME (RELATIVE TO THE SEISMIC REFERENCE)
 DKB - MEASURED DEPTH FROM KELLY-BUSHING
 DSRD - DEPTH FROM SRD
 AVGV - AVERAGE SEISMIC VELOCITY
 RMSV - ROOT MEAN SQUARE VELOCITY (SEISMIC)
 MVOT - NORMAL MOVE-OUT
 MVCT - 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	:	-28.0000	M
UNIFORM EARTH VELOCITY	UNERTH	:	1480.00	M/S
UNIFORM DENSITY VALUE	UNFDEN	:	2.30000	G/C3

(MATRIX PARAMETERS)

MVOUT DIST
M

1	1000.0
2	1500.0
3	2000.0

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(ZONED PARAMETERS)		(VALUE)	(LIMITS)
LAYER OPTION FLAG VELOC	LOFVEL	: 1.000000	30479.7 - 0
USER VELOC (WST)	LAYVEL	: 1750.000 M/S	175.000 - 49.0000
		: 1480.000	49.0000 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/GEO M/S	RMS VELOCITY M/S	FIRST NORMAL MOVEOUT MS	SECOND NORMAL MOVEOUT MS	THIRD NORMAL MOVEOUT MS	INTERVAL VELOCITY M/S
								1480
0	21.00	0						1480
2.00	22.48	1.48	1480	1480	673.68	1011.52	1349.35	1480
4.00	23.96	2.96	1480	1480	671.69	1009.52	1347.36	1480
6.00	25.44	4.44	1480	1480	669.70	1007.53	1345.36	1480
8.00	26.92	5.92	1480	1480	667.72	1005.55	1343.33	1480
10.00	28.40	7.40	1480	1480	665.75	1003.56	1341.39	1480
12.00	29.88	8.88	1480	1480	663.78	1001.58	1339.40	1480
14.00	31.36	10.36	1480	1480	661.82	999.61	1337.42	1480
16.00	32.84	11.84	1480	1480	659.87	997.64	1335.45	1480
18.00	34.32	13.32	1480	1480	657.92	995.67	1333.47	1480
20.00	35.80	14.80	1480	1480	655.97	993.71	1331.50	1480
22.00	37.28	16.28	1480	1480	654.03	991.75	1329.53	1480
24.00	38.76	17.76	1480	1480	652.10	989.80	1327.56	1480
26.00	40.24	19.24	1480	1480	650.18	987.85	1325.60	1480
28.00	41.72	20.72	1480	1480	648.26	985.90	1323.64	1480
30.00	43.20	22.20	1480	1480	646.34	983.96	1321.68	1480
32.00	44.68	23.68	1480	1480	644.43	982.02	1319.73	1480
34.00	46.16	25.16	1480	1480	642.53	980.08	1317.78	1480
36.00	47.64	26.64	1480	1480	640.63	978.15	1315.83	1480
38.00	49.16	28.16	1482	1482	637.72	974.69	1311.84	1522
40.00	50.91	29.91	1496	1497	629.30	962.96	1296.81	1750
42.00	52.66	31.66	1508	1510	621.68	952.41	1283.36	1750
44.00	54.41	33.41	1519	1522	614.71	942.84	1271.21	1750
46.00	56.16	35.16	1529	1532	608.29	934.09	1260.16	1750

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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
48.00	57.91	36.91	1538	1542	602.35	926.04	1250.03	1750
50.00	59.66	38.66	1546	1551	596.80	918.59	1240.70	1750
52.00	61.41	40.41	1554	1559	591.61	911.66	1232.06	1750
54.00	63.16	42.16	1562	1566	586.71	905.17	1224.01	1750
56.00	64.91	43.91	1568	1573	582.09	899.08	1216.43	1750
58.00	66.66	45.66	1575	1580	577.69	893.33	1209.41	1750
60.00	68.41	47.41	1580	1586	573.50	887.89	1202.74	1750
62.00	70.16	49.16	1586	1591	569.50	882.71	1196.43	1750
64.00	71.91	50.91	1591	1596	565.67	877.78	1190.44	1750
66.00	73.66	52.66	1596	1601	561.98	873.07	1184.74	1750
68.00	75.41	54.41	1600	1606	558.43	868.56	1179.30	1750
70.00	77.16	56.16	1605	1610	555.00	864.22	1174.10	1750
72.00	78.91	57.91	1609	1614	551.68	860.04	1169.10	1750
74.00	80.66	59.66	1612	1618	548.46	856.02	1164.30	1750
76.00	82.41	61.41	1616	1622	545.33	852.12	1159.68	1750
78.00	84.16	63.16	1620	1625	542.30	848.35	1155.21	1750
80.00	85.91	64.91	1623	1628	539.34	844.69	1150.90	1750
82.00	87.66	66.66	1626	1631	536.45	841.14	1146.72	1750
84.00	89.41	68.41	1629	1634	533.63	837.68	1142.67	1750
86.00	91.16	70.16	1632	1637	530.88	834.31	1138.73	1750
88.00	92.91	71.91	1634	1640	528.18	831.02	1134.90	1750
90.00	94.66	73.66	1637	1642	525.54	827.81	1131.18	1750
92.00	96.41	75.41	1639	1645	522.95	824.68	1127.54	1750
94.00	98.16	77.16	1642	1647	520.41	821.61	1123.99	1750

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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
96.00	99.91	78.91	1644	1649	517.92	818.60	1120.53	1750
98.00	101.66	80.66	1646	1651	515.47	815.65	1117.13	1750
100.00	103.41	82.41	1648	1653	513.06	812.76	1113.82	1750
102.00	105.16	84.16	1650	1655	510.68	809.92	1110.56	1750
104.00	106.91	85.91	1652	1657	508.35	807.13	1107.37	1750
106.00	108.66	87.66	1654	1659	506.05	804.39	1104.24	1750
108.00	110.41	89.41	1656	1661	503.78	801.69	1101.17	1750
110.00	112.16	91.16	1657	1662	501.54	799.03	1098.15	1750
112.00	113.91	92.91	1659	1664	499.33	796.41	1095.18	1750
114.00	115.66	94.66	1661	1665	497.15	793.83	1092.25	1750
116.00	117.41	96.41	1662	1667	495.00	791.28	1089.37	1750
118.00	119.16	98.16	1664	1668	492.88	788.77	1086.54	1750
120.00	120.91	99.91	1665	1670	490.78	786.29	1083.74	1750
122.00	122.66	101.66	1667	1671	488.70	783.84	1080.98	1750
124.00	124.41	103.41	1668	1672	486.65	781.42	1078.26	1750
126.00	126.16	105.16	1669	1674	484.62	779.03	1075.53	1750
128.00	127.91	106.91	1670	1675	482.61	776.66	1072.92	1750
130.00	129.66	108.66	1672	1676	480.62	774.33	1070.30	1750
132.00	131.41	110.41	1673	1677	478.65	772.01	1067.71	1750
134.00	133.16	112.16	1674	1678	476.70	769.72	1065.15	1750
136.00	134.91	113.91	1675	1679	474.77	767.46	1062.62	1750
138.00	136.66	115.66	1676	1680	472.86	765.21	1060.12	1750
140.00	138.41	117.41	1677	1681	470.97	762.99	1057.64	1750
142.00	140.16	119.16	1678	1682	469.09	760.79	1055.18	1750

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WELL : SNOOK #1

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TWO-WAY TRAVEL TIME FROM SRD MS	MEASURED DEPTH FROM KB M	VERTICAL DEPTH FROM SRD M	AVERAGE VELOCITY SRD/GEO M/S	RMS VELOCITY M/S	FIRST NORMAL MOVEOUT MS	SECOND NORMAL MOVEOUT MS	THIRD NORMAL MOVEOUT MS	INTERVAL VELOCITY M/S
144.00	141.91	120.91	1679	1683	467.23	758.60	1052.75	1750
146.00	143.66	122.66	1680	1684	465.39	756.44	1050.34	1750
148.00	145.41	124.41	1681	1685	463.56	754.29	1047.96	1750
150.00	147.16	126.16	1682	1686	461.75	752.17	1045.59	1750
152.00	148.91	127.91	1683	1687	459.95	750.06	1043.25	1750
154.00	150.66	129.66	1684	1688	458.17	747.96	1040.93	1750
156.00	152.41	131.41	1685	1689	456.40	745.89	1038.62	1750
158.00	154.16	133.16	1686	1689	454.64	743.83	1036.33	1750
160.00	155.91	134.91	1686	1690	452.90	741.78	1034.07	1750
162.00	157.66	136.66	1687	1691	451.17	739.75	1031.82	1750
164.00	159.41	138.41	1688	1692	449.46	737.74	1029.58	1750
166.00	161.16	140.16	1689	1692	447.76	735.73	1027.37	1750
168.00	162.91	141.91	1689	1693	446.07	733.75	1025.16	1750
170.00	164.66	143.66	1690	1694	444.39	731.77	1022.98	1750
172.00	166.41	145.41	1691	1694	442.72	729.81	1020.81	1750
174.00	168.16	147.16	1691	1695	441.07	727.86	1018.65	1750
176.00	169.91	148.91	1692	1696	439.43	725.93	1016.51	1750
178.00	171.66	150.66	1693	1696	437.80	724.00	1014.38	1750
180.00	173.41	152.41	1693	1697	436.18	722.09	1012.26	1763
182.00	175.17	154.17	1694	1698	434.52	720.11	1010.06	1931
184.00	177.10	156.10	1697	1700	432.22	717.14	1006.51	2066
186.00	179.17	158.17	1701	1705	429.39	713.35	1001.86	2067
188.00	181.23	160.23	1705	1709	426.60	709.62	997.29	2068
190.00	183.30	162.30	1708	1713	423.86	705.95	992.80	

TWO-WAY TRAVEL TIME FROM SRD MS	MEASURED DEPTH FROM KB M	VERTICAL DEPTH FROM SRD M	AVERAGE VELOCITY SRD/GEO M/S	RMS VELOCITY M/S	FIRST NORMAL MOVEOUT MS	SECOND NORMAL MOVEOUT MS	THIRD NORMAL MOVEOUT MS	INTERVAL VELOCITY M/S
192.00	185.37	164.37	1712	1717	421.18	702.37	988.41	2065
194.00	187.46	166.46	1716	1722	418.41	698.64	983.83	2098
196.00	189.57	168.57	1720	1726	415.65	694.92	979.25	2103
198.00	191.68	170.68	1724	1730	412.94	691.28	974.77	2106
200.00	193.79	172.79	1728	1734	410.25	687.65	970.31	2113
202.00	195.91	174.91	1732	1739	407.59	684.06	965.90	2118
204.00	198.03	177.03	1736	1743	404.97	680.53	961.57	2135
206.00	200.17	179.17	1739	1747	402.34	676.96	957.18	2147
208.00	202.31	181.31	1743	1751	399.70	673.39	952.78	2133
210.00	204.45	183.45	1747	1755	397.16	669.96	948.57	2156
212.00	206.60	185.60	1751	1760	394.58	666.45	944.25	2224
214.00	208.83	187.83	1755	1764	391.80	662.64	939.51	2118
216.00	210.94	189.94	1759	1768	389.43	659.45	935.62	2123
218.00	213.07	192.07	1762	1772	387.08	656.29	931.75	2095
220.00	215.16	194.16	1765	1775	384.86	653.31	928.14	2164
222.00	217.33	196.33	1769	1779	382.44	650.03	924.11	2180
224.00	219.51	198.51	1772	1783	380.02	646.72	920.03	2194
226.00	221.70	200.70	1776	1787	377.58	643.40	915.93	2201
228.00	223.90	202.90	1780	1791	375.16	640.08	911.84	2223
230.00	226.13	205.13	1784	1795	372.69	636.70	907.65	2230
232.00	228.36	207.36	1788	1799	370.26	633.35	903.51	2250
234.00	230.61	209.61	1792	1804	367.80	629.96	899.31	2204
236.00	232.81	211.81	1795	1807	365.52	626.84	895.47	2157
238.00	234.97	213.97	1798	1811	363.40	623.97	891.96	

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
240.00	237.20	216.20	1802	1814	361.12	620.83	888.08	2228
242.00	239.40	218.40	1805	1818	358.94	617.84	884.41	2202
244.00	241.64	220.64	1809	1822	356.68	614.73	880.58	2239
246.00	243.84	222.84	1812	1825	354.56	611.83	877.00	2203
248.00	246.07	225.07	1815	1829	352.39	608.84	873.32	2232
250.00	248.34	227.34	1819	1833	350.16	605.76	869.50	2264
252.00	250.64	229.64	1823	1837	347.86	602.54	865.50	2306
254.00	252.92	231.92	1826	1841	345.66	599.49	861.72	2276
256.00	255.21	234.21	1830	1845	343.46	596.43	857.92	2291
258.00	257.45	236.45	1833	1848	341.41	593.59	854.43	2244
260.00	259.69	238.69	1836	1852	339.40	590.81	851.00	2240
262.00	261.97	240.97	1839	1855	337.33	587.94	847.45	2273
264.00	264.29	243.29	1843	1859	335.18	584.92	843.68	2321
266.00	266.57	245.57	1846	1863	333.14	582.07	840.16	2285
268.00	268.81	247.81	1849	1866	331.24	579.45	836.93	2236
270.00	271.03	250.03	1852	1869	329.40	576.91	833.83	2219
272.00	273.29	252.29	1855	1872	327.49	574.25	830.55	2262
274.00	275.57	254.57	1858	1875	325.56	571.57	827.22	2280
276.00	277.89	256.89	1862	1879	323.58	568.77	823.75	2318
278.00	280.21	259.21	1865	1882	321.61	566.01	820.31	2321
280.00	282.56	261.56	1868	1886	319.61	563.18	816.78	2348
282.00	284.98	263.98	1872	1890	317.47	560.12	812.93	2425
284.00	287.38	266.38	1876	1894	315.43	557.21	809.29	2392
286.00	289.79	268.79	1880	1899	313.37	554.26	805.59	2416

TWO-WAY TRAVEL TIME FROM SRD MS	MEASURED DEPTH FROM KB M	VERTICAL DEPTH FROM SRD M	AVERAGE VELOCITY SRD/GEO M/S	RMS VELOCITY M/S	FIRST NORMAL MOVEOUT MS	SECOND NORMAL MOVEOUT MS	THIRD NORMAL MOVEOUT MS	INTERVAL VELOCITY M/S
288.00	292.24	271.24	1884	1903	311.27	551.25	801.80	2446
290.00	294.63	273.63	1887	1907	309.31	548.46	798.29	2394
292.00	297.01	276.01	1891	1910	307.40	545.73	794.89	2383
294.00	299.48	278.48	1894	1915	305.35	542.78	791.15	2465
296.00	302.00	281.00	1899	1919	303.21	539.68	787.23	2519
298.00	304.63	283.63	1904	1925	300.88	536.25	782.84	2629
300.00	307.20	286.20	1908	1930	298.70	533.07	778.79	2573
302.00	309.72	288.72	1912	1935	296.66	530.09	775.01	2524
304.00	312.30	291.30	1916	1940	294.54	526.99	771.05	2578
306.00	314.92	293.92	1921	1945	292.37	523.79	766.98	2613
308.00	317.52	296.52	1925	1950	290.28	520.72	763.05	2598
310.00	319.70	298.70	1927	1951	288.96	518.89	760.24	2177
312.00	321.87	300.87	1929	1953	287.66	517.10	758.67	2173
314.00	324.10	303.10	1931	1955	286.28	515.16	756.30	2231
316.00	326.20	305.20	1932	1956	285.12	513.59	754.43	2095
318.00	328.22	307.22	1932	1956	284.08	512.19	752.80	2025
320.00	330.30	309.30	1933	1957	282.97	510.68	751.02	2076
322.00	332.40	311.40	1934	1958	281.83	509.12	749.16	2100
324.00	334.63	313.63	1936	1960	280.49	507.24	746.85	2234
326.00	337.04	316.04	1939	1963	278.90	504.93	743.95	2406
328.00	339.35	318.35	1941	1965	277.47	502.88	741.41	2312
330.00	341.70	320.70	1944	1967	276.01	500.77	738.78	2347
332.00	344.00	323.00	1946	1970	274.62	498.79	736.32	2304
334.00	345.98	324.98	1946	1970	273.70	497.56	734.90	1984

TWO-WAY TRAVEL TIME FROM SRD MS	MEASURED DEPTH FROM KB M	VERTICAL DEPTH FROM SRD M	AVERAGE VELOCITY SRD/GEO M/S	RMS VELOCITY M/S	FIRST NORMAL MOVEOUT MS	SECOND NORMAL MOVEOUT MS	THIRD NORMAL MOVEOUT MS	INTERVAL VELOCITY M/S
336.00	347.98	326.98	1946	1970	272.77	496.31	733.45	1996
338.00	350.01	329.01	1947	1970	271.80	494.99	731.90	2030
340.00	352.00	331.00	1947	1970	270.88	493.76	730.47	1992
342.00	354.06	333.06	1948	1971	269.88	492.38	728.84	2062
344.00	356.03	335.03	1948	1971	269.01	491.22	727.50	1964
346.00	358.23	337.23	1949	1972	267.83	489.54	725.45	2206
348.00	360.53	339.53	1951	1974	266.52	487.65	723.10	2302
350.00	363.17	342.17	1955	1979	264.73	484.95	719.62	2635
352.00	365.79	344.79	1959	1983	262.99	482.32	716.23	2622
354.00	368.31	347.31	1962	1986	261.42	479.98	713.25	2519
356.00	370.83	349.83	1965	1990	259.87	477.67	710.30	2513
358.00	373.24	352.24	1968	1992	258.50	475.64	707.74	2410
360.00	375.59	354.59	1970	1995	257.22	473.77	705.39	2348
362.00	377.97	356.97	1972	1997	255.91	471.83	702.95	2386
364.00	380.39	359.39	1975	1999	254.57	469.85	700.44	2413
366.00	382.68	361.68	1976	2001	253.40	468.13	698.31	2296
368.00	385.00	364.00	1978	2003	252.21	466.39	696.13	2317
370.00	387.32	366.32	1980	2005	251.03	464.65	693.95	2324
372.00	389.64	368.64	1982	2007	249.86	462.94	691.81	2315
374.00	392.02	371.02	1984	2009	248.63	461.11	689.50	2379
376.00	394.35	373.35	1986	2011	247.47	459.40	687.36	2329
378.00	396.70	375.70	1988	2013	246.29	457.64	685.15	2356
380.00	399.11	378.11	1990	2015	245.05	455.80	682.81	2406
382.00	401.46	380.46	1992	2017	243.90	454.08	680.64	2355

TWO-WAY TRAVEL TIME FROM SRD MS	MEASURED DEPTH FROM KB M	VERTICAL DEPTH FROM SRD M	AVERAGE VELOCITY SRD/GEO M/S	RMS VELOCITY M/S	FIRST NORMAL MOVEOUT MS	SECOND NORMAL MOVEOUT MS	THIRD NORMAL MOVEOUT MS	INTERVAL VELOCITY M/S
384.00	403.81	382.81	1994	2019	242.76	452.38	678.51	2349
386.00	406.23	385.23	1996	2021	241.54	450.56	676.19	2420
388.00	408.67	387.67	1998	2023	240.31	448.70	673.83	2442
390.00	411.15	390.15	2001	2026	239.05	446.79	671.38	2478
392.00	413.60	392.60	2003	2028	237.84	444.96	669.05	2447
394.00	416.00	395.00	2005	2031	236.70	443.23	666.86	2402
396.00	418.39	397.39	2007	2032	235.58	441.54	664.71	2390
398.00	420.81	399.81	2009	2035	234.43	439.81	662.50	2421
400.00	423.25	402.25	2011	2037	233.28	438.07	660.28	2433
402.00	425.76	404.76	2014	2039	232.05	436.18	657.85	2514
404.00	428.29	407.29	2016	2042	230.82	434.29	655.41	2527
406.00	430.70	409.70	2018	2044	229.73	432.63	653.30	2412
408.00	433.30	412.30	2021	2047	228.44	430.63	650.70	2601
410.00	435.82	414.82	2024	2050	227.26	428.81	648.35	2519
412.00	438.33	417.38	2026	2053	226.04	426.92	645.91	2560
414.00	440.99	419.99	2029	2056	224.78	424.96	643.55	2612
416.00	443.66	422.66	2032	2059	223.47	422.90	640.65	2672
418.00	446.20	425.20	2034	2062	222.31	421.11	638.33	2539
420.00	448.81	427.81	2037	2065	221.10	419.21	635.87	2604
422.00	451.86	430.86	2042	2070	219.39	416.46	632.18	3052
424.00	454.51	433.51	2045	2073	218.16	414.52	629.64	2656
426.00	457.30	436.30	2048	2077	216.80	412.35	626.77	2791
428.00	459.88	438.88	2051	2080	215.67	410.58	624.47	2580
430.00	462.01	441.01	2051	2080	214.96	409.54	623.19	2128

TWO-WAY TRAVEL TIME FROM SPD MS	MEASURED DEPTH FROM KB M	VERTICAL DEPTH FROM SRD M	AVERAGE VELOCITY SRD/GEO M/S	RMS VELOCITY M/S	FIRST NORMAL MOVEOUT MS	SECOND NORMAL MOVEOUT MS	THIRD NORMAL MOVEOUT MS	INTERVAL VELOCITY M/S
432.00	464.11	443.11	2051	2080	214.28	408.54	621.97	2098
434.00	466.40	445.40	2053	2081	213.45	407.26	620.36	2292
436.00	468.43	447.43	2052	2081	212.83	406.37	619.30	2024
438.00	470.45	449.45	2052	2081	212.22	405.49	618.23	2023
440.00	472.92	451.92	2054	2083	211.24	403.95	616.24	2475
442.00	475.24	454.24	2055	2084	210.41	402.67	614.62	2312
444.00	477.83	456.83	2058	2086	209.33	400.97	612.39	2589
446.00	479.92	458.92	2058	2087	208.69	400.01	611.22	2094
448.00	481.82	460.82	2057	2086	208.19	399.31	610.40	1898
450.00	484.31	463.31	2059	2088	207.22	397.79	608.43	2491
452.00	487.03	466.03	2062	2091	206.06	395.92	605.95	2719
454.00	489.76	468.76	2065	2094	204.90	394.05	603.47	2728
456.00	492.48	471.48	2068	2097	203.76	392.21	601.02	2724
458.00	495.17	474.17	2071	2100	202.65	390.43	598.67	2693
460.00	497.89	476.89	2073	2103	201.54	388.64	596.30	2714
462.00	500.62	479.62	2076	2106	200.43	386.84	593.91	2729
464.00	503.34	482.34	2079	2109	199.34	385.08	591.56	2720
466.00	505.99	484.99	2081	2112	198.32	383.44	589.39	2649
468.00	508.58	487.58	2084	2114	197.36	381.89	587.35	2595
470.00	511.30	490.30	2086	2117	196.31	380.18	585.07	2715
472.00	513.99	492.99	2089	2120	195.28	378.51	582.85	2696
474.00	516.62	495.62	2091	2122	194.32	376.96	580.79	2630
476.00	519.42	498.42	2094	2126	193.23	375.16	578.39	2801
478.00	521.91	500.91	2096	2127	192.40	373.83	576.65	2485

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
480.00	524.35	503.35	2097	2129	191.61	372.57	575.00	2441
482.00	527.04	506.04	2100	2131	190.63	370.97	572.87	2696
484.00	529.74	508.74	2102	2134	189.66	369.40	570.76	2692
486.00	532.45	511.45	2105	2137	188.69	367.80	568.63	2712
488.00	535.32	514.32	2108	2140	187.60	366.00	566.20	2868
490.00	537.93	516.93	2110	2142	186.73	364.57	564.30	2610
492.00	540.59	519.59	2112	2145	185.83	363.09	562.32	2661
494.00	543.10	522.10	2114	2146	185.04	361.82	560.65	2507
496.00	545.63	524.63	2115	2148	184.24	360.52	558.93	2535
498.00	547.91	526.91	2116	2149	183.63	359.54	557.67	2277
500.00	550.38	529.38	2118	2150	182.88	358.34	556.09	2469
502.00	553.12	532.12	2120	2153	181.95	356.79	554.01	2747
504.00	555.84	534.84	2122	2155	181.05	355.30	552.00	2718
506.00	558.61	537.61	2125	2158	180.12	353.75	549.91	2769
508.00	561.40	540.40	2128	2161	179.19	352.19	547.80	2791
510.00	564.26	543.26	2130	2164	178.21	350.55	545.56	2863
512.00	567.02	546.02	2133	2167	177.32	349.06	543.55	2754
514.00	569.75	548.75	2135	2169	176.45	347.61	541.60	2734
516.00	572.43	551.43	2137	2171	175.63	346.25	539.76	2676
518.00	575.01	554.01	2139	2173	174.88	345.01	538.10	2579
520.00	577.69	556.69	2141	2175	174.07	343.65	536.28	2682
522.00	579.91	558.91	2141	2175	173.54	342.81	535.20	2223
524.00	582.64	561.64	2144	2178	172.71	341.42	533.31	2730
526.00	585.46	564.46	2146	2181	171.83	339.93	531.28	2820

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
528.00	588.20	567.20	2149	2183	171.01	338.55	529.41	2743
530.00	590.98	569.98	2151	2186	170.17	337.13	527.43	2773
532.00	593.82	572.82	2153	2188	169.30	335.66	525.46	2840
534.00	596.69	575.69	2156	2191	168.43	334.17	523.42	2862
536.00	599.57	578.57	2159	2194	167.54	332.66	521.36	2884
538.00	602.34	581.34	2161	2197	166.74	331.30	519.50	2775
540.00	605.15	584.15	2164	2199	165.93	329.91	517.60	2809
542.00	607.85	586.85	2166	2201	165.18	328.65	515.89	2701
544.00	610.60	589.60	2168	2204	164.42	327.35	514.12	2750
546.00	613.50	592.50	2170	2207	163.57	325.90	512.11	2898
548.00	616.33	595.33	2173	2209	162.77	324.54	510.25	2823
550.00	619.15	598.15	2175	2212	161.98	323.18	508.39	2826
552.00	622.12	601.12	2178	2215	161.12	321.69	506.32	2966
554.00	624.97	603.97	2180	2218	160.33	320.33	504.44	2854
556.00	627.92	606.92	2183	2221	159.49	318.88	502.44	2948
558.00	630.96	609.96	2186	2224	158.60	317.34	500.30	3035
560.00	633.94	612.94	2189	2227	157.76	315.87	498.26	2989
562.00	636.90	615.90	2192	2230	156.94	314.45	496.29	2955
564.00	639.91	618.91	2195	2234	156.10	312.99	494.25	3009
566.00	642.88	621.88	2197	2237	155.29	311.58	492.29	2972
568.00	645.63	624.63	2199	2239	154.61	310.41	490.68	2752
570.00	648.44	627.44	2202	2241	153.91	309.20	489.01	2802
572.00	651.36	630.36	2204	2244	153.15	307.87	487.17	2920
574.00	654.19	633.19	2206	2246	152.45	306.65	485.47	2834

TWO-WAY TRAVEL TIME FROM SRD MS	MEASURED DEPTH FROM KB M	VERTICAL DEPTH FROM SRD M	AVERAGE VELOCITY SRD/GEO M/S	RMS VELOCITY M/S	FIRST NORMAL MOVEOUT MS	SECOND NORMAL MOVEOUT MS	THIRD NORMAL MOVEOUT MS	INTERVAL VELOCITY M/S
576.00	656.96	635.96	2208	2248	151.78	305.50	483.88	2773
578.00	659.69	638.69	2210	2250	151.14	304.39	482.36	2731
580.00	662.62	641.62	2212	2252	150.41	303.10	480.56	2927
582.00	665.44	644.44	2215	2255	149.73	301.92	478.93	2823
584.00	668.45	647.45	2217	2258	148.97	300.58	477.04	3007
586.00	671.45	650.45	2220	2261	148.22	299.25	475.13	2999
588.00	674.42	653.42	2223	2263	147.48	297.96	473.37	2974
590.00	677.40	656.40	2225	2266	146.76	296.68	471.58	2973
592.00	680.16	659.16	2227	2268	146.15	295.61	470.09	2762
594.00	682.90	661.90	2229	2270	145.54	294.56	468.64	2746
596.00	685.54	664.54	2230	2271	145.00	293.61	467.33	2633
598.00	688.26	667.26	2232	2273	144.42	292.60	465.92	2724
600.00	690.97	669.97	2233	2274	143.85	291.60	464.54	2711
602.00	693.54	672.54	2234	2275	143.35	290.73	463.34	2563
604.00	696.11	675.11	2235	2277	142.84	289.85	462.13	2578
606.00	698.96	677.96	2237	2279	142.22	288.75	460.59	2848
608.00	701.86	680.86	2240	2281	141.58	287.62	459.00	2894
610.00	704.94	683.94	2242	2284	140.86	286.32	457.17	3085
612.00	707.90	686.90	2245	2287	140.20	285.15	455.52	2959
614.00	711.25	690.25	2248	2291	139.36	283.63	453.34	3348
616.00	714.37	693.37	2251	2294	138.64	282.34	451.49	3124
618.00	717.29	696.29	2253	2296	138.02	281.23	449.94	2921
620.00	721.00	700.00	2258	2302	137.01	279.39	447.27	3704
622.00	723.94	702.94	2260	2305	136.40	278.29	445.71	2944

TWO-WAY TRAVEL TIME FROM SRD MS	MEASURED DEPTH FROM KB M	VERTICAL DEPTH FROM SRD M	AVERAGE VELOCITY SRD/GEO M/S	RMS VELOCITY M/S	FIRST NORMAL MOVEOUT MS	SECOND NORMAL MOVEOUT MS	THIRD NORMAL MOVEOUT MS	INTERVAL VELOCITY M/S
624.00	726.78	705.78	2262	2307	135.83	277.28	444.30	2836
626.00	729.57	708.57	2264	2308	135.29	276.32	442.95	2789
628.00	732.24	711.24	2265	2309	134.81	275.46	441.74	2671
630.00	734.93	713.93	2266	2311	134.32	274.59	440.52	2688
632.00	737.64	716.64	2268	2312	133.82	273.71	439.29	2711
634.00	740.37	719.37	2269	2314	133.32	272.81	438.03	2737
636.00	743.28	722.28	2271	2316	132.75	271.79	436.58	2908
638.00	746.14	725.14	2273	2318	132.21	270.81	435.19	2860
640.00	748.89	727.89	2275	2319	131.71	269.92	433.94	2748
642.00	751.40	730.40	2275	2320	131.31	269.21	432.95	2515
644.00	754.73	733.73	2279	2324	130.57	267.87	431.01	3326
646.00	757.42	736.42	2280	2325	130.11	267.04	429.25	2691
648.00	760.17	739.17	2281	2326	129.63	266.18	428.63	2747
650.00	762.75	741.75	2282	2327	129.22	265.44	427.60	2579
652.00	766.11	745.11	2286	2331	128.49	264.10	425.66	3368
654.00	769.11	748.11	2288	2333	127.93	263.07	424.19	2997
656.00	771.82	750.82	2289	2334	127.48	262.26	423.04	2711
658.00	774.27	753.27	2290	2335	127.11	261.62	422.15	2451
660.00	777.40	756.40	2292	2338	126.51	260.52	420.56	3123
662.00	780.16	759.16	2294	2339	126.05	259.68	419.37	2767
664.00	782.91	761.91	2295	2340	125.60	258.86	418.21	2751
666.00	785.77	764.77	2297	2342	125.11	257.98	416.94	2859
668.00	788.54	767.54	2298	2343	124.66	257.16	415.78	2763
670.00	791.17	770.17	2299	2344	124.26	256.43	414.75	2636

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
672.00	794.07	773.07	2301	2346	123.77	255.53	413.46	2896
674.00	796.84	775.84	2302	2348	123.32	254.72	412.30	2774
676.00	799.97	778.97	2305	2350	122.75	253.67	410.78	3128
678.00	802.67	781.67	2306	2351	122.34	252.92	409.71	2701
680.00	805.86	784.86	2308	2354	121.76	251.84	408.14	3187
682.00	808.49	787.49	2309	2355	121.37	251.14	407.15	2633
684.00	811.21	790.21	2311	2356	120.96	250.40	406.08	2720
686.00	813.98	792.98	2312	2358	120.54	249.62	404.97	2773
688.00	817.08	796.08	2314	2360	120.00	248.63	403.53	3101
690.00	819.92	798.92	2316	2362	119.56	247.82	402.37	2832
692.00	822.61	801.61	2317	2363	119.17	247.11	401.35	2696
694.00	825.34	804.34	2318	2364	118.77	246.38	400.30	2732
696.00	828.05	807.05	2319	2365	118.38	245.66	399.28	2710
698.00	831.32	810.32	2322	2368	117.81	244.59	397.70	3266
700.00	834.93	813.93	2326	2372	117.11	243.26	395.74	3615
702.00	837.91	816.91	2327	2374	116.64	242.40	394.49	2979
704.00	841.37	820.37	2331	2378	116.01	241.22	392.74	3461
706.00	844.37	823.37	2333	2380	115.55	240.35	391.49	3001
708.00	847.57	826.57	2335	2383	115.03	239.37	390.05	3200
710.00	850.70	829.70	2337	2385	114.53	238.44	388.63	3130
712.00	853.64	832.64	2339	2387	114.10	237.64	387.52	2932
714.00	856.10	835.10	2339	2387	113.81	237.10	386.75	2467
716.00	858.58	837.58	2340	2388	113.51	236.56	385.98	2477
718.00	861.27	840.27	2341	2388	113.16	235.91	385.05	2686

TWO-WAY TRAVEL TIME FROM SRD MS	MEASURED DEPTH FROM KS M	VERTICAL DEPTH FROM SRD M	AVERAGE VELOCITY SRD/GEO M/S	RMS VELOCITY M/S	FIRST NORMAL MOVEOUT MS	SECOND NORMAL MOVEOUT MS	THIRD NORMAL MOVEOUT MS	INTERVAL VELOCITY M/S
720.00	863.88	842.88	2341	2389	112.83	235.31	334.18	2609
722.00	866.64	845.64	2343	2390	112.46	234.62	383.19	2769
724.00	869.27	848.27	2343	2391	112.13	234.01	382.31	2626
726.00	871.97	850.97	2344	2392	111.78	233.37	381.39	2695
728.00	874.76	853.76	2345	2393	111.41	232.68	380.38	2794
730.00	877.80	856.80	2347	2395	110.97	231.85	379.16	3045
732.00	880.58	859.58	2349	2396	110.61	231.18	378.19	2774
734.00	883.37	862.37	2350	2397	110.25	230.50	377.21	2790
736.00	885.78	864.78	2350	2397	109.99	230.02	376.52	2408
738.00	888.24	867.24	2350	2397	109.71	229.52	375.80	2465
740.00	891.00	870.00	2351	2399	109.37	228.87	374.85	2759
742.00	893.76	872.76	2352	2400	109.02	228.22	373.91	2761
744.00	896.35	875.35	2353	2400	108.72	227.66	373.10	2592
746.00	898.84	877.84	2353	2400	108.44	227.15	372.37	2483
748.00	901.45	880.45	2354	2401	108.14	226.59	371.55	2613
750.00	904.17	883.17	2355	2402	107.81	225.97	370.66	2716
752.00	906.73	885.73	2356	2402	107.53	225.44	369.89	2560
754.00	909.27	888.27	2356	2403	107.24	224.92	369.13	2541
756.00	911.84	890.84	2357	2403	106.96	224.38	368.36	2572
758.00	914.50	893.50	2358	2404	106.65	223.80	367.52	2665
760.00	917.18	896.18	2358	2405	106.34	223.22	366.67	2674
762.00	919.80	898.80	2359	2405	106.05	222.67	365.87	2622
764.00	922.23	901.23	2359	2405	105.80	222.21	365.20	2430
766.00	924.85	903.85	2360	2406	105.51	221.66	364.41	2622

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
768.00	927.93	906.93	2362	2408	105.10	220.89	363.26	3075
770.00	930.42	909.42	2362	2408	104.84	220.41	362.56	2491
772.00	932.92	911.92	2362	2408	104.58	219.93	361.87	2497
774.00	935.41	914.41	2363	2409	104.33	219.45	361.17	2499
776.00	938.14	917.14	2364	2409	104.02	218.87	360.32	2722
778.00	940.63	919.63	2364	2410	103.77	218.39	359.63	2494
780.00	943.18	922.18	2365	2410	103.50	217.90	358.90	2549
782.00	945.89	924.89	2365	2411	103.20	217.33	358.07	2715
784.00	948.70	927.70	2367	2412	102.88	216.72	357.17	2801
786.00	951.41	930.41	2367	2413	102.58	216.16	356.34	2716
788.00	954.09	933.09	2368	2413	102.30	215.61	355.54	2683
790.00	956.76	935.76	2369	2414	102.01	215.07	354.75	2666
792.00	959.55	938.55	2370	2415	101.70	214.48	353.87	2793
794.00	962.21	941.21	2371	2416	101.43	213.96	353.10	2653
796.00	964.66	943.66	2371	2416	101.19	213.52	352.46	2457
798.00	967.13	946.13	2371	2416	100.96	213.08	351.82	2465
800.00	969.69	948.69	2372	2416	100.70	212.59	351.11	2567
802.00	972.05	951.05	2372	2416	100.49	212.20	350.54	2354
804.00	974.44	953.44	2372	2416	100.27	211.79	349.95	2394
806.00	976.92	955.92	2372	2416	100.04	211.35	349.30	2479
808.00	979.46	958.46	2372	2417	99.79	210.88	348.62	2540
810.00	981.93	960.93	2373	2417	99.57	210.45	347.99	2470
812.00	984.40	963.40	2373	2417	99.34	210.02	347.35	2473
814.00	986.74	965.74	2373	2417	99.13	209.64	346.80	2337

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TWO-WAY TRAVEL TIME FROM SRD MS	MEASURED DEPTH FROM KB M	VERTICAL DEPTH FROM SRD M	AVERAGE VELOCITY SRD/GEO M/S	RMS VELOCITY M/S	FIRST NORMAL MOVEOUT MS	SECOND NORMAL MOVEOUT MS	THIRD NORMAL MOVEOUT MS	INTERVAL VELOCITY M/S
816.00	989.10	968.10	2373	2417	98.93	209.25	346.24	2355
818.00	991.38	970.38	2373	2416	98.74	208.89	345.72	2285
820.00	993.60	972.60	2372	2416	98.56	208.56	345.24	2215
822.00	995.75	974.75	2372	2415	98.39	208.25	344.80	2153
824.00	997.94	976.94	2371	2415	98.22	207.92	344.33	2194
826.00	1000.17	979.17	2371	2414	98.04	207.59	343.85	2223
828.00	1002.59	981.59	2371	2414	97.82	207.18	343.26	2428
830.00	1005.08	984.08	2371	2414	97.60	206.76	342.63	2486
832.00	1007.65	986.65	2372	2415	97.36	206.30	341.95	2574
834.00	1010.31	989.31	2372	2415	97.10	205.81	341.22	2655
836.00	1012.82	991.82	2373	2416	96.88	205.38	340.59	2509
838.00	1015.31	994.31	2373	2416	96.66	204.96	339.97	2492
840.00	1017.82	996.82	2373	2416	96.43	204.53	339.34	2507
842.00	1020.39	999.39	2374	2416	96.20	204.08	338.67	2575
844.00	1022.88	1001.88	2374	2417	95.98	203.67	338.06	2486
846.00	1025.26	1004.26	2374	2417	95.78	203.29	337.51	2380
848.00	1027.85	1006.85	2375	2417	95.55	202.84	336.83	2591
850.00	1030.46	1009.46	2375	2417	95.31	202.38	336.15	2615
852.00	1032.93	1011.93	2375	2418	95.10	201.98	335.56	2466
854.00	1035.31	1014.31	2375	2417	94.91	201.61	335.01	2382
856.00	1037.77	1016.77	2376	2418	94.70	201.21	334.43	2462
858.00	1040.28	1019.28	2376	2418	94.48	200.80	333.81	2510
860.00	1042.84	1021.84	2376	2418	94.26	200.37	333.17	2556
862.00	1045.31	1024.31	2377	2418	94.06	199.93	332.59	2469

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	1047.72	1026.72	2377	2418	93.86	199.60	332.04	2411
866.00	1050.08	1029.08	2377	2418	93.67	199.25	331.51	2362
868.00	1052.46	1031.46	2377	2418	93.49	198.89	330.98	2377
870.00	1054.89	1033.89	2377	2418	93.29	198.51	330.42	2429
872.00	1057.34	1036.34	2377	2418	93.09	198.13	329.86	2448
874.00	1059.78	1038.78	2377	2418	92.90	197.75	329.29	2446
876.00	1062.24	1041.24	2377	2418	92.70	197.37	328.73	2457
878.00	1064.73	1043.73	2378	2418	92.49	196.98	328.14	2494
880.00	1067.14	1046.14	2378	2418	92.31	196.61	327.61	2405
882.00	1069.44	1048.44	2377	2418	92.13	196.29	327.12	2300
884.00	1071.74	1050.74	2377	2418	91.96	195.96	326.65	2300
886.00	1074.09	1053.09	2377	2418	91.79	195.62	326.14	2356
888.00	1076.42	1055.42	2377	2418	91.61	195.29	325.65	2323
890.00	1078.78	1057.78	2377	2417	91.44	194.95	325.14	2360
892.00	1081.11	1060.11	2377	2417	91.26	194.62	324.65	2339
894.00	1083.51	1062.51	2377	2417	91.08	194.26	324.13	2400
896.00	1085.96	1064.96	2377	2417	90.89	193.90	323.58	2447
898.00	1088.41	1067.41	2377	2417	90.70	193.53	323.03	2445
900.00	1090.77	1069.77	2377	2417	90.53	193.20	322.54	2360
902.00	1092.98	1071.98	2377	2417	90.38	192.91	322.11	2213
904.00	1095.33	1074.33	2377	2417	90.21	192.58	321.62	2348
906.00	1097.67	1076.67	2377	2416	90.04	192.25	321.13	2342
908.00	1100.01	1079.01	2377	2416	89.87	191.93	320.65	2343
910.00	1102.34	1081.34	2377	2416	89.70	191.60	320.17	2331

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TWO-WAY TRAVEL TIME FROM SRD MS	MEASURED DEPTH FROM KB M	VERTICAL DEPTH FROM SRD M	AVERAGE VELOCITY SRD/GEO M/S	RMS VELOCITY M/S	FIRST NORMAL MOVEOUT MS	SECOND NORMAL MOVEOUT MS	THIRD NORMAL MOVEOUT MS	INTERVAL VELOCITY M/S
912.00	1104.72	1083.72	2377	2416	89.53	191.27	319.66	2380
914.00	1107.10	1086.10	2377	2416	89.36	190.94	319.17	2372
916.00	1109.47	1088.47	2377	2416	89.19	190.60	318.67	2370
918.00	1111.82	1090.82	2377	2416	89.02	190.28	318.19	2357
920.00	1114.16	1093.16	2376	2416	88.85	189.96	317.71	2340
922.00	1116.58	1095.57	2377	2416	88.68	189.62	317.20	2411
924.00	1118.92	1097.92	2376	2415	88.51	189.30	316.72	2345
926.00	1121.31	1100.31	2376	2415	88.34	188.97	316.23	2389
928.00	1123.66	1102.66	2376	2415	88.18	188.65	315.75	2347
930.00	1126.05	1105.04	2376	2415	88.01	188.32	315.26	2389
932.00	1128.43	1107.43	2376	2415	87.84	187.99	314.77	2385
934.00	1131.10	1110.10	2377	2416	87.63	187.58	314.13	2672
936.00	1133.72	1112.72	2378	2416	87.43	187.18	313.52	2618
938.00	1136.53	1115.53	2379	2417	87.19	186.72	312.82	2807
940.00	1139.20	1118.20	2379	2418	86.98	186.31	312.19	2672
942.00	1142.07	1121.07	2380	2419	86.74	185.83	311.45	2876
944.00	1145.10	1124.10	2382	2420	86.47	185.29	310.63	3030
946.00	1148.26	1127.26	2383	2422	86.18	184.71	309.73	3155
948.00	1151.59	1130.59	2385	2424	85.86	184.07	308.73	3330
950.00	1154.91	1133.91	2387	2426	85.54	183.43	307.74	3324
952.00	1157.95	1136.95	2389	2428	85.28	182.91	306.93	3041
954.00	1160.82	1139.82	2390	2429	85.05	182.45	306.22	2865
956.00	1163.57	1142.57	2390	2430	84.84	182.03	305.58	2748
958.00	1166.31	1145.31	2391	2430	84.63	181.62	304.94	2737

TWO-WAY TRAVEL TIME FROM SRD MS	MEASURED DEPTH FROM KB M	VERTICAL DEPTH FROM SRD M	AVERAGE VELOCITY SRD/GEO M/S	RMS VELOCITY M/S	FIRST NORMAL MOVEOUT MS	SECOND NORMAL MOVEOUT MS	THIRD NORMAL MOVEOUT MS	INTERVAL VELOCITY M/S
960.00	1169.03	1148.03	2392	2431	84.43	181.21	304.32	2721
962.00	1171.79	1150.79	2392	2432	84.22	180.79	303.68	2759
964.00	1174.59	1153.59	2393	2432	84.00	180.36	303.02	2804
966.00	1177.35	1156.35	2394	2433	83.79	179.95	302.38	2761
968.00	1180.07	1159.07	2395	2434	83.59	179.55	301.76	2724
970.00	1182.94	1161.94	2396	2435	83.37	179.11	301.08	2864
972.00	1185.87	1164.87	2397	2436	83.14	178.64	300.36	2936
974.00	1189.00	1168.00	2398	2438	82.87	178.11	299.54	3127
976.00	1192.00	1171.00	2400	2439	82.63	177.63	298.79	2997
978.00	1194.74	1173.74	2400	2439	82.43	177.23	298.18	2746
980.00	1197.53	1176.53	2401	2440	82.23	176.83	297.55	2787
982.00	1200.32	1179.32	2402	2441	82.03	176.42	296.92	2783
984.00	1202.87	1181.87	2402	2441	81.86	176.08	296.41	2557
986.00	1205.45	1184.45	2403	2442	81.69	175.74	295.88	2575
988.00	1208.10	1187.10	2403	2442	81.50	175.38	295.33	2655
990.00	1210.83	1189.83	2404	2443	81.31	175.00	294.74	2725
992.00	1213.46	1192.46	2404	2443	81.14	174.65	294.19	2631
994.00	1216.03	1195.03	2404	2443	80.97	174.31	293.68	2573
996.00	1218.66	1197.66	2405	2444	80.79	173.96	293.14	2632
998.00	1221.27	1200.27	2405	2444	80.62	173.62	292.62	2607
1000.00	1223.98	1202.98	2406	2445	80.44	173.25	292.04	2715
1002.00	1226.76	1205.76	2407	2445	80.24	172.86	291.44	2780
1004.00	1229.65	1208.65	2408	2446	80.03	172.44	290.78	2889
1006.00	1232.50	1211.50	2409	2447	79.83	172.04	290.16	2846

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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
1008.00	1235.59	1214.59	2410	2449	79.59	171.56	289.40	3091
1010.00	1238.57	1217.57	2411	2450	79.38	171.12	288.71	2985
1012.00	1241.71	1220.71	2412	2451	79.13	170.63	287.94	3136
1014.00	1244.82	1223.82	2414	2453	78.90	170.15	287.19	3110
1016.00	1247.02	1226.02	2413	2452	78.78	169.92	286.85	2200
1018.00	1248.90	1227.90	2412	2451	78.70	169.76	286.62	1885
1020.00	1251.88	1230.88	2413	2452	78.49	169.33	285.94	2980
1022.00	1254.74	1233.74	2414	2453	78.29	168.94	285.33	2857
1024.00	1257.56	1236.56	2415	2454	78.10	168.56	284.73	2814
1026.00	1260.46	1239.46	2416	2455	77.90	168.15	284.10	2899
1028.00	1263.41	1242.41	2417	2456	77.70	167.74	283.45	2950
1030.00	1266.55	1245.55	2419	2458	77.46	167.27	282.71	3141
1032.00	1269.46	1248.46	2420	2459	77.26	166.86	282.08	2917
1034.00	1271.85	1250.85	2419	2458	77.13	166.60	281.68	2385
1036.00	1273.87	1252.87	2419	2458	77.04	166.42	281.41	2026
1038.00	1276.29	1255.29	2419	2458	76.91	166.16	281.00	2419
1040.00	1278.92	1257.92	2419	2458	76.75	165.84	280.50	2627
1042.00	1282.00	1261.00	2420	2459	76.53	165.39	279.80	3084
1044.00	1285.61	1264.61	2423	2462	76.23	164.78	278.83	3606
1046.00	1288.54	1267.54	2424	2463	76.04	164.39	278.21	2933
1048.00	1290.80	1269.80	2423	2463	75.92	164.16	277.86	2253
1050.00	1292.37	1271.37	2422	2461	75.87	164.06	277.73	1571
1052.00	1294.19	1273.19	2421	2460	75.80	163.93	277.52	1815
1054.00	1296.99	1275.99	2421	2461	75.63	163.57	276.97	2806

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TWO-WAY TRAVEL TIME FROM SRD MS	MEASURED DEPTH FROM KB M	VERTICAL DEPTH FROM SRD M	AVERAGE VELOCITY SRD/GEO M/S	RMS VELOCITY M/S	FIRST NORMAL MOVEOUT MS	SECOND NORMAL MOVEOUT MS	THIRD NORMAL MOVEOUT MS	INTERVAL VELOCITY M/S
1056.00	1299.91	1278.91	2422	2462	75.44	163.19	276.36	2913
1058.00	1302.09	1281.09	2422	2461	75.33	162.98	276.05	2185
1060.00	1304.60	1283.60	2422	2461	75.19	162.70	275.61	2511
1062.00	1307.61	1286.61	2423	2462	74.99	162.29	274.97	3011
1064.00	1310.37	1289.37	2424	2463	74.83	161.96	274.44	2760
1066.00	1313.05	1292.05	2424	2463	74.67	161.64	273.95	2671
1068.00	1315.66	1294.66	2424	2464	74.52	161.34	273.48	2619
1070.00	1318.18	1297.18	2425	2464	74.39	161.07	273.06	2511
1072.00	1320.65	1299.65	2425	2464	74.26	160.81	272.65	2472
1074.00	1322.97	1301.97	2425	2464	74.14	160.58	272.30	2318
1076.00	1325.63	1304.63	2425	2464	73.99	160.27	271.81	2666
1078.00	1328.28	1307.28	2425	2464	73.84	159.97	271.34	2647
1080.00	1330.99	1309.99	2426	2465	73.69	159.65	270.85	2706
1082.00	1333.85	1312.85	2427	2466	73.52	159.30	270.29	2860
1084.00	1336.72	1315.72	2428	2466	73.34	158.95	269.73	2874
1086.00	1338.82	1317.82	2427	2466	73.25	158.77	269.45	2104
1088.00	1341.01	1320.01	2426	2465	73.15	158.57	269.15	2188
1090.00	1343.00	1322.00	2426	2465	73.07	158.41	268.91	1987
1092.00	1345.12	1324.12	2425	2464	72.98	158.23	268.63	2122
1094.00	1347.93	1326.93	2426	2465	72.82	157.89	268.11	2808
1096.00	1350.30	1329.30	2426	2464	72.70	157.66	267.74	2374
1098.00	1352.81	1331.81	2426	2465	72.57	157.40	267.34	2509
1100.00	1355.66	1334.66	2427	2465	72.41	157.06	266.80	2850
1102.00	1358.49	1337.49	2427	2466	72.24	156.73	266.27	2825

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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
1104.00	1361.08	1340.08	2428	2466	72.11	156.45	265.84	2595
1106.00	1363.48	1342.48	2428	2466	71.99	156.22	265.47	2399
1108.00	1366.58	1345.58	2429	2467	71.80	155.82	264.84	3097
1110.00	1369.36	1348.36	2429	2468	71.64	155.50	264.33	2781
1112.00	1372.06	1351.06	2430	2468	71.49	155.20	263.86	2702
1114.00	1374.79	1353.79	2431	2469	71.35	154.90	263.38	2734
1116.00	1377.66	1356.66	2431	2470	71.18	154.56	262.85	2870
1118.00	1380.70	1359.70	2432	2471	71.00	154.19	262.26	3032
1120.00	1383.50	1362.50	2433	2471	70.85	153.87	261.76	2798
1122.00	1386.27	1365.27	2434	2472	70.70	153.57	261.27	2770
1124.00	1388.77	1367.77	2434	2472	70.57	153.32	260.88	2505
1126.00	1391.07	1370.07	2434	2472	70.47	153.11	260.56	2297
1128.00	1392.65	1371.65	2432	2471	70.43	153.03	260.44	1580
1130.00	1394.65	1373.65	2431	2470	70.35	152.87	260.20	2003
1132.00	1397.62	1376.62	2432	2471	70.18	152.52	259.65	2964
1134.00	1400.79	1379.79	2433	2472	69.99	152.12	259.00	3174
1136.00	1403.55	1382.55	2434	2473	69.84	151.83	258.53	2755
1138.00	1406.17	1385.17	2434	2473	69.71	151.56	258.11	2627
1140.00	1409.08	1388.08	2435	2474	69.55	151.23	257.58	2907
1142.00	1411.99	1390.99	2436	2475	69.39	150.90	257.06	2906
1144.00	1415.20	1394.20	2437	2476	69.20	150.50	256.42	3206
1146.00	1417.50	1396.50	2437	2476	69.10	150.30	256.10	2308
1148.00	1420.53	1399.53	2438	2477	68.93	149.95	255.54	3025
1150.00	1423.80	1402.80	2440	2478	68.73	149.53	254.87	3275

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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	1426.64	1405.64	2440	2479	68.58	149.23	254.39	2837
1154.00	1429.58	1408.58	2441	2480	68.42	148.90	253.86	2936
1156.00	1432.50	1411.50	2442	2481	68.26	148.58	253.35	2923
1158.00	1435.50	1414.50	2443	2482	68.10	148.24	252.81	2995
1160.00	1438.51	1417.51	2444	2483	67.93	147.90	252.26	3010
1162.00	1441.58	1420.58	2445	2484	67.76	147.54	251.69	3074
1164.00	1444.56	1423.56	2446	2485	67.60	147.22	251.17	2972
1166.00	1448.03	1427.03	2448	2487	67.39	146.76	250.44	3477
1168.00	1451.23	1430.23	2449	2488	67.20	146.39	249.23	3195
1170.00	1454.67	1433.67	2451	2490	66.99	145.95	249.13	3439
1172.00	1457.83	1436.83	2452	2492	66.82	145.59	248.54	3160
1174.00	1461.24	1440.24	2454	2493	66.61	145.16	247.85	3413
1176.00	1464.35	1443.35	2455	2495	66.45	144.81	247.29	3115
1178.00	1467.42	1446.42	2456	2496	66.28	144.47	246.75	3065
1180.00	1470.50	1449.50	2457	2497	66.12	144.13	246.20	3083
1182.00	1473.54	1452.54	2458	2498	65.96	143.81	245.67	3035
1184.00	1476.70	1455.70	2459	2499	65.79	143.45	245.10	3164
1186.00	1479.93	1458.93	2460	2500	65.61	143.08	244.51	3230
1188.00	1482.91	1461.91	2461	2501	65.46	142.77	244.01	2981
1190.00	1486.18	1465.18	2462	2503	65.28	142.40	243.40	3271
1192.00	1489.25	1468.25	2464	2504	65.13	142.07	242.87	3068
1194.00	1492.56	1471.56	2465	2505	64.94	141.69	242.26	3308
1196.00	1495.72	1474.72	2466	2507	64.78	141.35	241.70	3157
1198.00	1498.92	1477.92	2467	2508	64.61	140.99	241.13	3205

COMPANY : ESSO AUSTRALIA LTD.

WELL : SNOOK #1

PAGE 28

TWO-WAY TRAVEL TIME FROM SRD MS	MEASURED DEPTH FROM KB M	VERTICAL DEPTH FROM SRD M	AVERAGE VELOCITY SRD/GEO M/S	RMS VELOCITY M/S	FIRST NORMAL MOVEOUT MS	SECOND NORMAL MOVEOUT MS	THIRD NORMAL MOVEOUT MS	INTERVAL VELOCITY M/S
1200.00	1502.25	1481.25	2469	2510	64.43	140.61	240.52	3332
1202.00	1505.62	1484.62	2470	2511	64.24	140.22	239.89	3371
1204.00	1508.75	1487.75	2471	2512	64.08	139.90	239.36	3124
1206.00	1512.10	1491.10	2473	2514	63.90	139.52	238.74	3353
1208.00	1515.29	1494.29	2474	2515	63.74	139.18	238.20	3183
1210.00	1518.52	1497.52	2475	2517	63.57	138.83	237.63	3233
1212.00	1521.73	1500.73	2476	2518	63.41	138.49	237.08	3211
1214.00	1524.96	1503.96	2478	2519	63.24	138.14	236.52	3235

ANALYST: Z.KATELIS

13-FEB-90 14:58:17

PROGRAM: GADJST 008.E08

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SONIC ADJUSTMENT PARAMETER REPORT

COMPANY : ESSO AUSTRALIA LTD.
WELL : SNOOK #1
FIELD : WILDCAT
COUNTRY : AUSTRALIA
REFERENCE: SYJ-56558

ANALYST: Z.KATELIS

13-FEB-90 14:58:17

PROGRAM: GADJST 008.E08

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*   SCHLUMBERGER                     *  
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SONIC ADJUSTMENT PARAMETER REPORT

COMPANY : ESSO AUSTRALIA LTD.
WELL : SNOOK #1
FIELD : WILDCAT
COUNTRY : AUSTRALIA
REFERENCE: SYJ-56558

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

SAMPLED

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

(GLOBAL PARAMETERS)

(VALUE)

ORIG OF ADJ DATA (WST)	SRCDRF	:	2.00000	
CONS SONIC ADJST (WST)	CONADJ	:	24.6063	US/M
UNIFORM EARTH VELOCITY	UNERTH	:	1480.00	M/S

(ZONED PARAMETERS)

(VALUE)

(LIMITS)

USER DRIFT ZONE (WST)	ZDRIFT	:	9.400000	MS	1526.00	-	1128.00
			9.300000		1128.00		175.000
			0		175.000		0
ADJUSMNT MODE (WST)	ADJOPZ	:	-999.2500		30479.7	-	0
USER DELTA-T MIN (WST)	ADJUSZ	:	-999.2500	US/M	30479.7	-	0
LAYER OPTION FLAG VELOC	LOFVEL	:	1.000000		30479.7	-	0
USER VELOC (WST)	LAYVEL	:	1750.000	M/S	175.000	-	49.0000
			1480.000		49.0000		0

COMPANY : ESSO AUSTRALIA LTD.

WELL : SNOCK #1

PAGE 2

KNEE NUMBER	VERTICAL DEPTH FROM KB M	VERTICAL DEPTH FROM SRD M	VERTICAL DEPTH FROM GL M	DRIFT AT KNEE MS	BLOCKSHIFT USED US/M	DELTA-T MINIMUM USED US/M	REDUCTION FACTOR G	EQUIVALENT BLOCKSHIFT US/M
2	175.00	154.00	126.00	0	0			0
3	1128.00	1107.00	1079.00	9.30	9.76			9.76
4	1526.00	1505.00	1477.00	9.40	.25			.25

ANALYST: Z.KATELIS

13-FEB-90 14:58:58

PROGRAM: GADJST 008.E08

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*          SCHLUMBERGER          *  
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VELOCITY REPORT

COMPANY : ESSO AUSTRALIA LTD.
WELL : SNOOK #1
FIELD : WILDCAT
COUNTRY : AUSTRALIA
REFERENCE: SYJ-56558

ANALYST: Z.KATELIS

13-FEB-90 14:58:58

PROGRAM: GADJST 008.E08

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*          SCHLUMBERGER              *  
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VELOCITY REPORT

COMPANY : ESSO AUSTRALIA LTD.
WELL : SNOOK #1
FIELD : WILDCAT
COUNTRY : AUSTRALIA
REFERENCE: SYJ-56558

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
- DKP - 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	:	-28.0000	M
UNIFORM EARTH VELOCITY	UNERTH	:	1480.00	M/S

(ZONED PARAMETERS)

(VALUE)

(LIMITS)

LAYER OPTION FLAG VELOC	LOFVEL	:	1.000000		30479.7	-	0
USER VELOC (WST)	LAYVEL	:	1750.000	M/S	175.000	-	49.0000
			1480.000		49.0000		0

COMPANY : ESSO AUSTRALIA LTD.

WELL : SNOOK #1

PAGE 4

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
1	49.00	28.00	0	18.92	18.92	0	0	1480
2	175.11	154.11	126.11	90.98	90.98	0	0	1750
3	755.00	734.00	706.00	321.60	322.10	5.16	-.50	2509
4	852.00	831.00	803.00	355.10	355.45	6.24	-.35	2908
5	945.00	924.00	896.00	391.31	390.71	8.11	.60	2638
6	1001.00	980.00	952.00	414.04	413.37	8.72	.67	2472
7	1128.00	1107.00	1079.00	466.32	465.84	9.77	.47	2420
8	1147.00	1126.00	1098.00	472.61	472.62	9.29	-.01	2804
9	1245.00	1224.00	1196.00	506.82	507.07	9.07	-.25	2845
10	1265.50	1244.50	1216.50	514.81	514.64	9.50	.17	2707
11	1379.90	1358.90	1330.90	558.84	558.75	9.44	.09	2594
12	1525.98	1504.98	1476.98	607.33	607.32	9.39	.01	3008

ANALYST: Z.KATELIS

13-FEB-90 15:07:42

PROGRAM: GTRFRM 001.E12

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*   SCHLUMBERGER                     *  
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TIME CONVERTED VELOCITY REPORT

COMPANY : ESSO AUSTRALIA LTD.
WELL : SNOOK #1
FIELD : WILDCAT
COUNTRY : AUSTRALIA
REFERENCE: SYJ-56558

Synthetic

COMPANY : ESSO AUSTRALIA LTD.

WELL : SNOOK #1

PAGE 8

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
380.0	378.02	2406	2.054	-.010	.96347	-.00928	-.00070	.00857
382.0	380.38	2360	2.054	-.003	.96346	-.00267	-.00453	-.00186
384.0	382.72	2347	2.054	.014	.96327	.01362	.01074	-.00288
386.0	385.14	2414	2.054	.006	.96323	.00564	.00338	-.00227
388.0	387.58	2443	2.054	.006	.96320	.00600	.00747	.00147
390.0	390.05	2473	2.054	-.004	.96318	-.00366	-.00981	-.00615
392.0	392.51	2455	2.054	-.010	.96308	-.00985	-.01088	-.00104
394.0	394.91	2405	2.054	-.003	.96307	-.00307	-.00389	-.00082
396.0	397.30	2390	2.054	.005	.96304	.00507	.00787	.00280
398.0	399.72	2415	2.054	.003	.96304	.00264	.00476	.00212
400.0	402.15	2428	2.054	.015	.96281	.01473	.01519	.00046
402.0	404.65	2504	2.054	.008	.96275	.00795	.00925	.00130
404.0	407.19	2545	2.054	-.027	.96205	-.02598	-.02884	-.00285
406.0	409.61	2411	2.054	.035	.96090	.03325	.03943	.00618
408.0	412.19	2584	2.054	-.012	.96076	-.01144	-.01590	-.00446
410.0	414.71	2523	2.054	.008	.96070	.00731	.00987	.00256
412.0	417.28	2562	2.054	.011	.96060	.01012	.01016	.00004
414.0	419.89	2617	2.054	.009	.96051	.00893	.00636	-.00257
416.0	422.56	2666	2.054	-.024	.95997	-.02287	-.03142	-.00355
418.0	425.10	2542	2.054	.008	.95990	.00306	.01588	.00782
420.0	427.68	2585	2.054	.084	.95309	.08090	.08313	.00223
422.0	430.74	3061	2.054	-.072	.94814	-.06362	-.07234	-.00372
424.0	433.39	2649	2.054	.029	.94736	.02732	.03292	.00560
426.0	436.20	2807	2.054	-.040	.94582	-.03317	-.04500	-.00683
		2589	2.054					

COMPANY : ESSO AUSTRALIA LTD.

WELL : SNOOK #1

PAGE 9

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
428.0	438.79	2165	2.054	-.089	.93827	-.08448	-.07670	.00778
430.0	440.95	2065	2.054	-.024	.93775	-.02214	-.01226	.00988
432.0	443.02	2311	2.054	.056	.93479	.05273	.05188	-.00085
434.0	445.33	2050	2.054	-.060	.93145	-.05582	-.06468	-.00886
436.0	447.38	1972	2.054	-.019	.93110	-.01809	-.01990	-.00191
438.0	449.35	2453	2.054	.109	.92011	.10116	.10003	-.00112
440.0	451.81	2384	2.054	-.014	.91993	-.01311	-.02125	-.00814
442.0	454.19	2521	2.054	.028	.91921	.02560	.01981	-.00579
444.0	456.71	2155	2.054	-.078	.91357	-.07200	-.07681	-.00481
446.0	458.87	1897	2.054	-.064	.90989	-.05804	-.04559	.01245
448.0	460.76	2483	2.054	.134	.89360	.12172	.12296	.00124
450.0	463.25	2676	2.054	.037	.89235	.03342	.03184	-.00153
452.0	465.92	2725	2.054	.009	.89228	.00817	.02078	.01261
454.0	468.65	2730	2.054	.001	.89228	.00070	-.00027	-.00097
456.0	471.38	2689	2.054	-.008	.89223	-.00671	-.00040	.00631
458.0	474.07	2686	2.054	-.001	.89223	-.00046	-.02126	-.02080
460.0	476.75	2757	2.054	.013	.89208	.01162	.00583	-.00578
462.0	479.51	2706	2.054	-.009	.89200	-.00826	-.01251	-.00424
464.0	482.22	2659	2.054	-.009	.89193	-.00787	-.00378	.00409
466.0	484.87	2596	2.054	-.012	.89180	-.01076	-.01733	-.00707
468.0	487.47	2725	2.054	.024	.89128	.02162	.02268	.00106
470.0	490.20	2703	2.054	-.004	.89126	-.00356	.00606	.00963
472.0	492.90	2612	2.054	-.017	.89100	-.01531	-.00267	.01264
474.0	495.51	2804	2.054	.036	.88987	.03165	.05015	.01851
476.0	498.31			-.057	.88697	-.05087	-.06171	-.01084

COMPANY : ESSO AUSTRALIA LTD.

WELL : SNOOK #1

PAGE 10

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
		2501	2.054					
478.0	500.81	2419	2.054	-.017	.88672	-.01471	-.01246	.00225
480.0	503.23	2690	2.054	.053	.88422	.04707	.04146	-.00561
482.0	505.92	2704	2.054	.003	.88422	.00225	.00234	.00009
484.0	508.63	2708	2.054	.001	.88422	.00069	-.00047	-.00116
486.0	511.34	2880	2.054	.031	.88338	.02724	.01662	-.01061
488.0	514.22	2606	2.054	-.050	.88117	-.04414	-.04397	.00017
490.0	516.82	2629	2.054	.004	.88116	.00380	-.00283	-.00663
492.0	519.45	2554	2.054	-.015	.88097	-.01279	-.02039	-.00760
494.0	522.01	2530	2.054	-.005	.88095	-.00403	.02222	.02625
496.0	524.54	2262	2.054	-.056	.87819	-.04937	-.05373	-.00436
498.0	526.80	2469	2.054	.044	.87651	.03842	.03915	.00073
500.0	529.27	2740	2.054	.052	.87413	.04564	.05298	.00734
502.0	532.01	2723	2.054	-.003	.87412	-.00280	-.00723	-.00443
504.0	534.73	2760	2.054	.007	.87408	.00599	.00460	-.00139
506.0	537.49	2792	2.054	.006	.87405	.00506	.00863	.00357
508.0	540.28	2860	2.054	.012	.87392	.01054	.00443	-.00611
510.0	543.14	2743	2.054	-.021	.87354	-.01838	-.02727	-.00889
512.0	545.89	2751	2.054	.001	.87353	.00130	-.00241	-.00370
514.0	548.64	2697	2.054	-.010	.87345	-.00365	-.01030	-.00165
516.0	551.33	2552	2.054	-.028	.87278	-.02413	-.02762	-.00349
518.0	553.88	2672	2.054	.023	.87232	.02003	.02107	.00104
520.0	556.56	2286	2.054	-.078	.86704	-.06789	-.06397	.00392
522.0	558.84	2686	2.054	.080	.86142	.06978	.07837	.00859
524.0	561.53	2823	2.054	.025	.86089	.02149	.01487	-.00661

COMPANY : ESSO AUSTRALIA LTD.

WELL : SNOOK #1

PAGE 11

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
526.0	564.35	2739	2.054	-.015	.86069	-.01307	.00584	.01891
528.0	567.09	2778	2.054	.007	.86064	.00614	-.01169	-.01782
530.0	569.87	2836	2.054	.010	.86055	.00890	.00841	-.00049
532.0	572.71	2856	2.054	.003	.86054	.00293	.02172	.01879
534.0	575.56	2885	2.054	.005	.86052	.00445	-.00518	-.00963
536.0	578.45	2781	2.054	-.018	.86023	-.01591	-.01017	.00573
538.0	581.23	2817	2.054	.006	.86019	.00552	.02113	.01561
540.0	584.04	2703	2.054	-.021	.85983	-.01766	-.03084	-.01319
542.0	586.75	2741	2.054	.007	.85979	.00595	.00154	-.00441
544.0	589.49	2896	2.054	.028	.85913	.02370	.03155	.00785
546.0	592.38	2811	2.054	-.015	.85894	-.01282	-.00897	.00385
548.0	595.20	2829	2.054	.003	.85893	.00275	-.00377	-.00652
550.0	598.02	2967	2.054	.024	.85845	.02040	.01438	-.00602
552.0	600.99	2852	2.054	-.020	.85812	-.01691	-.03002	-.01311
554.0	603.84	2949	2.054	.017	.85788	.01437	.01130	-.00306
556.0	606.79	3028	2.054	.013	.85773	.01121	.01411	.00290
558.0	609.82	2997	2.054	-.005	.85771	-.00429	.01821	.02250
560.0	612.82	2949	2.054	-.008	.85765	-.00694	-.03769	-.03075
562.0	615.77	3011	2.054	.010	.85756	.00883	-.00874	-.01757
564.0	618.78	2981	2.054	-.005	.85754	-.00428	.02836	.03264
566.0	621.76	2748	2.054	-.041	.85613	-.03480	-.04425	-.00945
568.0	624.51	2802	2.054	.010	.85605	.00821	.01145	.00323
570.0	627.31	2919	2.054	.021	.85568	.01762	.03393	.01631
572.0	630.23	2857	2.054	-.011	.85559	-.00920	-.04019	-.03099
574.0	633.09		2.054	-.019	.85529	-.01596	.00699	.02295

COMPANY : ESSO AUSTRALIA LTD.

WELL : SNOOK #1

PAGE 12

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
576.0	635.84	2753	2.054	.003	.85528	.00274	.00573	.00299
578.0	638.61	2770	2.054	.021	.85490	.01811	-.01333	-.03144
580.0	641.50	2890	2.054	-.014	.85473	-.01130	-.00186	.00994
582.0	644.31	2811	2.054	.034	.85376	.02880	.03892	.01012
584.0	647.32	3008	2.054	-.002	.85376	-.00168	-.00394	-.00226
586.0	650.31	2996	2.054	0	.85376	.00027	-.00040	-.00068
588.0	653.31	2998	2.054	-.006	.85373	-.00528	.00651	.01180
590.0	656.27	2961	2.054	-.032	.85283	-.02761	-.02625	.00136
592.0	659.05	2775	2.054	-.004	.85282	-.00366	.00472	.00838
594.0	661.80	2752	2.054	-.021	.85245	-.01782	-.02986	-.01204
596.0	664.44	2639	2.054	.009	.85237	.00786	.00839	.00052
598.0	667.13	2688	2.054	.014	.85222	.01151	.02061	.00910
600.0	669.89	2762	2.054	-.039	.85090	-.03355	-.02513	.00842
602.0	672.44	2552	2.054	.001	.85090	.00073	-.00171	-.00244
604.0	675.00	2557	2.054	.055	.84830	.04696	.01609	-.03088
606.0	677.85	2856	2.054	.002	.84830	.00180	.02530	.02350
608.0	680.72	2868	2.054	.031	.84746	.02664	.04123	.01460
610.0	683.77	3054	2.054	-.011	.84736	-.00944	-.02707	-.01765
612.0	686.76	2986	2.054	.052	.84509	.04383	.05877	.01494
614.0	690.07	3312	2.054	-.022	.84468	-.01865	-.05244	-.03378
616.0	693.24	3169	2.054	-.055	.84208	-.04684	-.05316	-.00632
618.0	696.08	2836	2.054	.141	.82527	.11899	.12957	.01058
620.0	699.85	3769	2.054	-.118	.81385	-.09708	-.10771	-.01063
622.0	702.82	2976	2.054	-.022	.81344	-.01825	-.01846	-.00021
		2845	2.054					

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
624.0	705.67	2782	2.054	-.011	.81334	-.00917	.00803	.01720
626.0	708.45	2674	2.054	-.020	.81302	-.01608	-.02848	-.01239
628.0	711.12	2689	2.054	.003	.81301	.00230	.00051	-.00179
630.0	713.81	2695	2.054	.001	.81301	.00090	.01736	.01696
632.0	716.51	2746	2.054	.009	.81294	.00758	.01630	.00872
634.0	719.25	2897	2.054	.027	.81236	.02176	.03469	.01292
636.0	722.15	2857	2.054	-.007	.81232	-.00560	-.03623	-.03063
638.0	725.01	2783	2.054	-.013	.81218	-.01067	-.01122	-.00056
640.0	727.79	2526	2.054	-.048	.81028	-.03930	-.03443	.00486
642.0	730.32	3272	2.042	.126	.79751	.10169	.09062	-.01107
644.0	733.59	2711	1.990	-.107	.78846	-.08499	-.08666	-.00165
646.0	736.30	2769	2.175	.055	.78605	.04356	.03088	-.01268
648.0	739.07	2551	1.889	-.111	.77636	-.08728	-.08346	-.00119
650.0	741.62	3379	2.254	.225	.73709	.17460	.20442	.02982
652.0	745.00	2993	2.147	-.085	.73180	-.06247	-.06575	-.00323
654.0	747.99	2721	2.208	-.034	.73097	-.02467	-.00713	.01754
656.0	750.71	2464	2.166	-.059	.72842	-.04312	-.05981	-.01669
658.0	753.18	3044	2.358	.147	.71268	.10709	.12333	.01625
660.0	756.22	2832	2.274	-.054	.71059	-.03864	-.02408	.01456
662.0	759.05	2753	2.267	-.016	.71041	-.01119	-.04030	-.02911
664.0	761.81	2845	2.304	.024	.70998	.01740	.04149	.02409
666.0	764.65	2788	2.260	-.020	.70971	-.01386	-.03073	-.01687
668.0	767.44	2621	2.100	-.068	.70647	-.04799	-.06900	-.02101
670.0	770.06	2895	2.301	.095	.70006	.06727	.05543	-.01184
672.0	772.96			-.042	.69881	-.02956	.00959	.03915

COMPANY : ESSO AUSTRALIA LTD.

WELL : SNOOK #1

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TWO WAY TRAVEL TIME MS	DEPTH FROM SRD (OR TOP) M	INTERVAL VELOCITY M/S	INTERVAL DENSITY G/C3	REFLECT. COEFF.	TWO WAY ATTEN. COEFF.	SYNTHETIC SEISMO. PRIMARY	PRIMARY + MULTIPLES	MULTIPLES ONLY
		2741	2.234					
674.0	775.70	3152	2.393	.104	.69125	.07272	.04131	-.03141
676.0	778.85	2726	2.251	-.103	.68390	-.07124	-.04352	.02772
678.0	781.58	3171	2.407	.109	.67582	.07435	.05213	-.02222
680.0	784.75	2613	2.194	-.142	.66218	-.09601	-.08538	.01063
682.0	787.36	2749	2.225	.032	.66148	.02149	.01747	-.00402
684.0	790.11	2724	2.130	-.026	.66102	-.01751	.01130	.02881
686.0	792.83	3090	2.330	.108	.65338	.07107	.03915	-.03192
688.0	795.92	2884	2.282	-.045	.65206	-.02931	-.01030	.01901
690.0	798.81	2658	2.206	-.058	.64989	-.03769	-.06701	-.02931
692.0	801.46	2748	2.142	.002	.64988	.00136	-.00117	-.00252
694.0	804.21	2737	2.158	.002	.64988	.00108	.01030	.00922
696.0	806.95	3220	2.324	.118	.64087	.07652	.10904	.03252
698.0	810.17	3672	2.392	.080	.63678	.05121	.02269	-.02852
700.0	813.84	2909	2.279	-.140	.62434	-.08899	-.03396	.05503
702.0	816.75	3509	2.408	.121	.61525	.07534	.04219	-.03315
704.0	820.26	3021	2.206	-.118	.60666	-.07269	-.02277	.04992
706.0	823.28	3135	2.355	.051	.60507	.03112	-.06075	-.09187
708.0	826.42	3171	2.371	.009	.60502	.00551	.06539	.05988
710.0	829.59	2958	2.339	-.042	.60397	-.02516	-.05902	-.03386
712.0	832.55	2453	2.169	-.131	.59367	-.07888	-.05734	.02154
714.0	835.00	2474	2.036	-.027	.59323	-.01618	-.02370	-.00752
716.0	837.47	2700	2.226	.088	.58863	.05221	.01098	-.04123
718.0	840.17	2615	2.196	-.023	.58833	-.01340	-.00020	.01320
720.0	842.79	2696	2.261	.030	.58781	.01748	.00875	-.00874

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
722.0	845.48	2703	2.263	.002	.58781	.00108	-.00839	-.00998
724.0	848.19	2617	2.244	-.020	.58756	-.01203	-.00945	.00258
726.0	850.80	2791	2.288	.042	.58653	.02462	.00845	-.01616
728.0	853.59	3108	2.353	.068	.58384	.03969	.07906	.03937
730.0	856.70	2790	2.257	-.075	.58058	-.04364	-.05740	-.01376
732.0	859.49	2801	2.308	.013	.58048	.00774	.03062	.02289
734.0	862.29	2379	2.152	-.116	.57266	-.06738	-.03968	.02770
736.0	864.67	2487	2.193	.032	.57209	.01805	-.03251	-.05056
738.0	867.16	2714	2.281	.063	.56980	.03621	.05928	.02307
740.0	869.87	2769	2.307	.016	.56966	.00893	-.02989	-.03882
742.0	872.64	2631	2.284	-.031	.56912	-.01750	.01206	.02956
744.0	875.27	2475	2.266	-.034	.56845	-.01954	-.00553	.01401
746.0	877.75	2539	2.276	.015	.56832	.00855	-.00444	-.01299
748.0	880.29	2786	2.335	.059	.56634	.03351	.00516	-.02835
750.0	883.07	2541	2.264	-.061	.56422	-.03467	-.03127	.00340
752.0	885.61	2545	2.247	-.003	.56421	-.00168	-.01016	-.00848
754.0	888.16	2584	2.248	.008	.56418	.00443	.00783	.00340
756.0	890.74	2661	2.266	.018	.56399	.01041	.01732	.00691
758.0	893.40	2687	2.210	-.008	.56396	-.00423	.04117	.04541
760.0	896.09	2628	2.223	-.008	.56392	-.00456	-.04891	-.04435
762.0	898.72	2418	2.126	-.064	.56161	-.03604	-.01135	.02419
764.0	901.14	2624	2.227	.064	.55931	.03598	.00965	-.02633
766.0	903.76	3056	2.387	.110	.55251	.06169	.05709	-.00460
768.0	906.82	2521	2.140	-.150	.54011	-.08275	-.01603	.06672
770.0	909.34			.007	.54008	.00399	-.07812	-.08211

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
		2481	2.207					
772.0	911.82	2488	2.222	.005	.54007	.00258	.00561	.00303
774.0	914.30	2683	2.230	.051	.53868	.02737	-.00985	-.03722
776.0	916.99	2564	2.232	-.033	.53809	-.01787	.05179	.06967
778.0	919.55	2532	2.251	-.002	.53809	-.00114	-.04317	-.04203
780.0	922.08	2673	2.281	.034	.53748	.01812	.06489	.04677
782.0	924.76	2828	2.314	.035	.53681	.01897	.00609	-.01288
784.0	927.58	2712	2.309	-.022	.53655	-.01171	.02817	.03988
786.0	930.30	2666	2.307	-.009	.53651	-.00484	-.00380	.00103
788.0	932.96	2697	2.280	0	.53651	-.00009	-.03278	-.05269
790.0	935.66	2780	2.299	.019	.53631	.01035	.01855	.00820
792.0	938.44	2667	2.271	-.027	.53592	-.01444	.00491	.01935
794.0	941.11	2470	2.205	-.053	.53442	-.02836	-.05768	-.02932
796.0	943.58	2459	2.200	-.004	.53441	-.00193	.00365	.00557
798.0	946.04	2553	2.253	.031	.53390	.01647	-.03792	-.05439
800.0	948.59	2363	2.123	-.068	.53141	-.03648	.01489	.05137
802.0	950.95	2396	2.199	.024	.53109	.01297	.00054	-.01243
804.0	953.35	2480	2.234	.025	.53076	.01342	.03135	.01794
806.0	955.83	2536	2.181	-.001	.53076	-.00047	-.02664	-.02617
808.0	958.36	2478	2.233	0	.53076	.00010	.00626	.00616
810.0	960.84	2474	2.206	-.007	.53073	-.00359	.02190	.02549
812.0	963.32	2322	2.156	-.043	.52974	-.02293	-.07787	-.05494
814.0	965.64	2370	2.189	.018	.52957	.00944	.03805	.02861
816.0	968.01	2285	2.074	-.045	.52849	-.02395	-.08312	-.05916
818.0	970.29	2231	2.081	-.010	.52843	-.00540	.02444	.02984

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
820.0	972.52	2153	2.010	-.035	.52778	-.01864	-.02937	-.01073
822.0	974.68	2195	2.084	.028	.52737	.01469	.01274	-.00195
824.0	976.87	2218	2.072	.002	.52736	.00118	.02270	.02151
826.0	979.09	2407	2.121	.053	.52590	.02780	.02137	-.00642
828.0	981.50	2483	2.170	.027	.52552	.01415	.04670	.03255
830.0	983.98	2577	2.225	.031	.52502	.01625	-.00685	-.02309
832.0	986.56	2650	2.246	.019	.52483	.00983	.06513	.05525
834.0	989.21	2513	2.064	-.069	.52235	-.03609	-.03634	-.00025
836.0	991.72	2497	2.136	.014	.52225	.00730	-.05132	-.05863
838.0	994.22	2495	2.155	.004	.52224	.00220	.01216	.00996
840.0	996.71	2578	2.196	.026	.52190	.01334	-.01234	-.02568
842.0	999.29	2495	2.118	-.034	.52128	-.01788	-.00399	.01389
844.0	1001.79	2377	1.946	-.067	.51898	-.03467	-.03549	-.00082
846.0	1004.16	2580	2.080	.074	.51614	.03336	.05387	.01551
848.0	1006.74	2623	2.218	.041	.51529	.02092	.01539	-.00503
850.0	1009.36	2466	2.164	-.043	.51433	-.02226	-.01222	.01003
852.0	1011.83	2384	2.088	-.035	.51372	-.01782	-.00838	.00944
854.0	1014.21	2466	2.153	.032	.51319	.01649	.01150	-.00499
856.0	1016.68	2500	2.177	.012	.51311	.00636	-.01698	-.02334
858.0	1019.18	2562	2.179	.013	.51303	.00647	.03171	.07524
860.0	1021.74	2469	2.180	-.018	.51286	-.00931	-.04968	-.04037
862.0	1024.21	2420	2.120	-.024	.51257	-.01222	-.05774	-.04551
864.0	1026.63	2364	2.157	-.003	.51256	-.00169	.03261	.03430
866.0	1029.00	2376	2.146	0	.51256	.00007	-.01737	-.01743
868.0	1031.37			.019	.51237	.00983	-.01980	-.02963

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
870.0	1033.79	2419	2.191	.012	.51230	.00623	.03656	.03033
872.0	1036.25	2458	2.209	-.004	.51229	-.00202	.00939	.01141
874.0	1038.68	2437	2.210	-.001	.51229	-.00055	-.04989	-.04934
876.0	1041.14	2457	2.188	.017	.51214	.00879	.06774	.05895
878.0	1043.63	2492	2.232	-.026	.51179	-.01329	-.03940	-.02611
880.0	1046.05	2415	2.187	-.055	.51023	-.02830	-.01575	.01255
882.0	1048.36	2307	2.050	.006	.51021	.00326	.02158	.01832
884.0	1050.65	2298	2.084	.038	.50948	.01930	-.02728	-.04658
886.0	1053.01	2356	2.192	-.016	.50935	-.00795	.01150	.01944
888.0	1055.33	2324	2.155	.003	.50935	.00144	-.03153	-.03298
890.0	1057.69	2353	2.140	-.013	.50927	-.00644	.02662	.03306
892.0	1060.02	2335	2.102	.028	.50886	.01446	.02984	.01533
894.0	1062.42	2404	2.162	.020	.50864	.01040	-.00078	-.01118
896.0	1064.87	2445	2.214	-.002	.50864	-.00106	-.02624	-.02517
898.0	1067.31	2444	2.206	-.017	.50850	-.00345	.03038	.03883
900.0	1069.68	2371	2.199	-.048	.50735	-.02419	-.07428	-.05009
902.0	1071.90	2214	2.141	.033	.50679	.01677	.02712	.01035
904.0	1074.24	2342	2.162	.004	.50679	.00211	.04247	.04036
906.0	1076.59	2346	2.177	0	.50679	.00004	-.02435	-.02440
908.0	1078.93	2344	2.179	-.004	.50678	-.00179	.00619	.00798
910.0	1081.26	2327	2.180	.011	.50672	.00544	.01083	.00539
912.0	1083.63	2375	2.182	.004	.50671	.00213	.04202	.03989
914.0	1086.01	2374	2.202	-.001	.50671	-.00054	.01629	.01683
916.0	1088.38	2373	2.197	-.001	.50671	-.00070	-.05999	-.05930
		2355	2.208					

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
918.0	1090.73	2346	2.201	-.004	.50670	-.00190	.02754	.02944
920.0	1093.08	2410	2.221	.018	.50654	.00917	-.02728	-.03645
922.0	1095.49	2344	2.211	-.016	.50641	-.00813	.01079	.01892
924.0	1097.83	2383	2.207	.007	.50638	.00366	-.01164	-.01530
926.0	1100.22	2350	2.205	-.007	.50635	-.00375	-.00079	.00296
928.0	1102.57	2390	2.204	.008	.50632	.00412	-.02159	-.02571
930.0	1104.96	2371	2.144	-.018	.50616	-.00899	.00222	.01121
932.0	1107.33	2668	2.294	.093	.50182	.04684	.07488	.02804
934.0	1109.99	2611	2.294	-.011	.50177	-.00534	-.01564	-.01030
936.0	1112.61	2814	2.335	.046	.50069	.02322	.03806	.01484
938.0	1115.42	2668	2.362	-.021	.50047	-.01047	.01061	.02108
940.0	1118.09	2857	2.407	.044	.49952	.02181	.03731	.01550
942.0	1120.95	3021	2.404	.027	.49915	.01365	.01255	-.00109
944.0	1123.97	3144	2.379	.015	.49904	.00740	-.02467	-.03207
946.0	1127.11	3323	2.345	.020	.49883	.01020	.04240	.03220
948.0	1130.43	3327	2.314	-.006	.49881	-.00305	.04092	.04397
950.0	1133.76	3071	2.210	-.063	.49684	-.03142	-.01958	.01183
952.0	1136.83	2875	2.162	-.044	.49588	-.02178	-.10195	-.08017
954.0	1139.71	2746	2.135	-.029	.49546	-.01450	-.01779	-.00329
956.0	1142.45	2736	2.133	-.002	.49545	-.00114	.02265	.02379
958.0	1145.19	2728	2.120	-.004	.49544	-.00218	-.03883	-.03665
960.0	1147.92	2753	2.107	.001	.49544	.00072	.03850	.03778
962.0	1150.67	2803	2.121	.012	.49537	.00601	-.03022	-.03622
964.0	1153.47	2765	2.109	-.010	.49532	-.00478	.00888	.01367
966.0	1156.24			-.006	.49531	-.00279	-.03745	-.03466

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
		2719	2.120					
968.0	1158.96	2849	2.117	.023	.49506	.01115	.00576	-.00539
970.0	1161.81	2941	2.109	.014	.49496	.00703	-.00820	-.01523
972.0	1164.75	3110	2.102	.026	.49462	.01289	.10059	.08770
974.0	1167.86	3024	2.126	-.008	.49459	-.00414	-.03901	-.03486
976.0	1170.88	2759	2.145	-.041	.49374	-.02045	-.05004	-.02959
978.0	1173.64	2776	2.141	.002	.49374	.00110	.02805	.02695
980.0	1176.42	2780	2.160	.005	.49373	.00251	.06292	.06041
982.0	1179.19	2592	2.119	-.044	.49275	-.02192	-.04719	-.02527
984.0	1181.79	2569	2.078	-.014	.49265	-.00704	-.00981	-.00277
986.0	1184.36	2625	2.039	.001	.49265	.00058	-.05498	-.05556
988.0	1186.98	2737	2.147	.047	.49157	.02304	.05906	.03602
990.0	1189.72	2635	2.128	-.024	.49130	-.01157	-.02027	-.00869
992.0	1192.35	2572	2.107	-.017	.49116	-.00839	.01526	.02365
994.0	1194.92	2632	2.116	.014	.49106	.00677	-.08248	-.08925
996.0	1197.56	2606	2.150	.003	.49106	.00154	.04349	.04195
998.0	1200.16	2706	2.150	.019	.49089	.00917	-.01981	-.02898
1000.0	1202.87	2764	2.161	.013	.49080	.00645	.02738	.02093
1002.0	1205.63	2900	2.197	.032	.49029	.01583	.08002	.06418
1004.0	1208.53	2836	2.156	-.020	.49009	-.01004	-.04953	-.03949
1006.0	1211.37	3077	2.221	.055	.48858	.02720	.00555	-.02165
1008.0	1214.45	2992	2.198	-.019	.48840	-.00940	.04594	.05534
1010.0	1217.44	3116	2.217	.025	.48810	.01205	.02454	.01248
1012.0	1220.56	3130	2.223	.004	.48809	.00176	-.00726	-.00902
1014.0	1223.69	2299	1.765	-.264	.45420	-.12863	-.18462	-.05600

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
1016.0	1225.98	1785	1.439	-.224	.43133	-.10191	-.10651	-.00459
1018.0	1227.77	2985	2.208	.439	.34820	.18936	.12241	-.06696
1020.0	1230.76	2872	2.174	-.027	.34794	-.00944	.07564	.08507
1022.0	1233.63	2803	2.156	-.016	.34785	-.00567	-.01481	-.00914
1024.0	1236.43	2899	2.230	.034	.34745	.01171	.06631	.05460
1026.0	1239.33	2939	2.188	-.003	.34745	-.00093	-.03318	-.03225
1028.0	1242.27	3160	2.247	.050	.34659	.01726	.05089	.03363
1030.0	1245.43	2911	2.170	-.058	.34541	-.02025	-.01856	.00169
1032.0	1248.34	2437	1.641	-.225	.32798	-.07759	-.10413	-.02654
1034.0	1250.78	2034	1.195	-.244	.30845	-.08004	-.11430	-.03426
1036.0	1252.81	2385	1.425	.166	.29995	.05121	.02100	-.03021
1038.0	1255.20	2589	1.824	.163	.29199	.04885	-.00157	-.05043
1040.0	1257.78	3082	2.228	.185	.28198	.05406	.10201	.04795
1042.0	1260.87	3613	2.408	.118	.27806	.03324	.08041	.04717
1044.0	1264.48	2935	2.191	-.150	.27180	-.04173	.00454	.04627
1046.0	1267.42	2349	1.842	-.196	.26140	-.05315	-.07399	-.02084
1048.0	1269.76	1576	1.158	-.406	.21821	-.10626	-.16269	-.05643
1050.0	1271.34	1743	1.433	.155	.21294	.03391	-.03739	-.07129
1052.0	1273.08	2785	2.112	.404	.17821	.08600	.05812	-.02788
1054.0	1275.87	2915	2.114	.023	.17811	.00413	.05891	.05478
1056.0	1278.78	2249	1.404	-.322	.15960	-.05742	-.04938	.00805
1058.0	1281.03	2417	1.359	.020	.15954	.00316	.03750	.03435
1060.0	1283.45	3044	2.111	.323	.14285	.05160	.00219	-.04942
1062.0	1286.49	2758	2.179	-.033	.14269	-.00477	-.02508	-.02031
1064.0	1289.25			-.079	.14180	-.01126	-.02797	-.01671

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
		2700	1.900					
1066.0	1291.95	2608	1.833	-.035	.14162	-.00500	.13444	.13944
1068.0	1294.56	2523	1.801	-.025	.14153	-.00358	.00999	.01356
1070.0	1297.08	2482	1.778	-.015	.14150	-.00208	-.02573	-.02365
1072.0	1299.56	2307	1.790	-.033	.14135	-.00472	.05733	.06254
1074.0	1301.87	2651	2.082	.144	.13841	.02039	-.04094	-.06133
1076.0	1304.52	2647	2.072	-.003	.13840	-.00046	-.01786	-.01740
1078.0	1307.17	2708	2.115	.022	.13834	.00299	-.00714	-.01014
1080.0	1309.88	2843	2.117	.025	.13825	.00344	.10327	.09983
1082.0	1312.72	2904	2.111	.009	.13824	.00127	-.00269	-.00395
1084.0	1315.62	2138	1.464	-.324	.12374	-.04477	-.07200	-.02722
1086.0	1317.76	2165	1.441	-.002	.12374	-.00020	-.01695	-.01675
1088.0	1319.93	2016	1.278	-.095	.12262	-.01180	-.07209	-.06029
1090.0	1321.94	2058	1.523	.098	.12145	.01198	.01109	-.00088
1092.0	1324.00	2798	2.173	.320	.10904	.03881	.01357	-.02524
1094.0	1326.80	2421	1.776	-.172	.10583	-.01872	-.01471	.00401
1096.0	1329.22	2441	1.849	.025	.10576	.00260	.06517	.06257
1098.0	1331.66	2879	2.244	.177	.10244	.01875	-.04819	-.06694
1100.0	1334.54	2815	2.204	-.020	.10240	-.00207	-.04300	-.04093
1102.0	1337.35	2662	1.931	-.094	.10150	-.00959	.00171	.01129
1104.0	1340.02	2317	1.505	-.192	.09777	-.01946	.06482	.08428
1106.0	1342.33	3129	1.986	.281	.09004	.02749	.00897	-.01352
1108.0	1345.46	2779	2.139	-.022	.09000	-.00202	.01006	.01203
1110.0	1348.24	2698	2.096	-.025	.08994	-.00223	-.02678	-.02455
1112.0	1350.94	2742	1.981	-.020	.08990	-.00180	.12767	.12947

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
1114.0	1353.68	2855	2.140	.059	.08960	.00527	-.10287	-.10314
1116.0	1356.54	3035	2.274	.061	.08926	.00545	.15039	.14495
1118.0	1359.57	2807	2.172	-.062	.08892	-.00551	-.05576	-.05025
1120.0	1362.38	2774	2.199	0	.08892	.00002	-.02346	-.02348
1122.0	1365.15	2462	1.818	-.154	.08682	-.01366	.02135	.03501
1124.0	1367.62	2414	1.982	.033	.08673	.00290	.00426	.00136
1126.0	1370.03	1585	1.144	-.450	.06913	-.03907	-.09710	-.05803
1128.0	1371.61	1949	1.581	.259	.06448	.01792	.03619	.01827
1130.0	1373.56	2920	2.163	.344	.05685	.02219	-.02965	-.05183
1132.0	1376.48	3090	2.068	.006	.05685	.00034	-.07926	-.07960
1134.0	1379.57	2902	1.854	-.086	.05643	-.00488	.00680	.01168
1136.0	1382.47	2565	1.870	-.058	.05624	-.00325	.08515	.08840
1138.0	1385.04	2926	2.029	.106	.05560	.00598	-.07055	-.07653
1140.0	1387.97	2892	2.181	.030	.05555	.00168	.04231	.04062
1142.0	1390.86	3207	2.218	.060	.05535	.00333	-.01987	-.02320
1144.0	1394.06	2364	1.604	-.304	.05023	-.01684	.05940	.07624
1146.0	1396.43	2938	2.240	.269	.04661	.01349	.00051	-.01298
1148.0	1399.37	3292	2.343	.079	.04631	.00370	.02816	.02446
1150.0	1402.66	2841	2.072	-.134	.04547	-.00623	.05514	.06137
1152.0	1405.50	2945	2.261	.062	.04530	.00280	.01854	.01575
1154.0	1408.45	2922	2.196	-.018	.04529	-.00084	-.01303	-.01220
1156.0	1411.37	3003	2.201	.015	.04528	.00067	.00491	.00424
1158.0	1414.37	2997	2.189	-.004	.04528	-.00017	.03368	.03385
1160.0	1417.37	3081	2.137	.002	.04528	.00008	-.01723	-.01731
1162.0	1420.45			-.040	.04520	-.00180	-.02835	-.02655

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
1164.0	1423.37	2926	2.078					
		3494	2.328	.144	.04426	.00653	-.06518	-.07171
1166.0	1426.87	3209	2.135	-.086	.04394	-.00379	.04654	.05033
1168.0	1430.08	3447	2.409	.096	.04353	.00421	.02046	.01625
1170.0	1433.52	3161	2.168	-.096	.04313	-.00417	.04929	.05345
1172.0	1436.68	3376	2.249	.051	.04302	.00221	.02477	.02256
1174.0	1440.06	3143	2.035	-.086	.04271	-.00368	-.10567	-.10199
1176.0	1443.20	3080	2.201	.029	.04267	.00124	.04631	.04507
1178.0	1446.28	3030	2.099	-.032	.04263	-.00136	.03790	.03926
1180.0	1449.31	3089	2.213	.036	.04257	.00154	.02410	.02256
1182.0	1452.40	3153	2.196	.006	.04257	.00027	-.01282	-.01309
1184.0	1455.56	3231	2.166	.005	.04257	.00023	-.01521	-.01544
1186.0	1458.79	3003	2.095	-.053	.04245	-.00227	.00147	.00375
1188.0	1461.79	3250	2.188	.061	.04229	.00260	-.01496	-.01756
1190.0	1465.04	3080	2.053	-.058	.04214	-.00247	-.05667	-.05420
1192.0	1468.12	3275	2.335	.095	.04176	.00399	.02881	.02482
1194.0	1471.39	3177	2.227	-.039	.04170	-.00163	.13080	.13243
1196.0	1474.57	3197	2.213	0	.04170	.00001	-.07258	-.07259
1198.0	1477.77	3337	2.258	.031	.04166	.00131	.01198	.01067
1200.0	1481.11	3372	2.223	-.003	.04166	-.00011	-.03898	-.03887
1202.0	1484.48	3123	2.156	-.053	.04154	-.00223	.04371	.04594
1204.0	1487.60	3349	2.287	.064	.04137	.00267	-.01399	-.01666
1206.0	1490.95	3174	2.231	-.039	.04131	-.00163	-.04002	-.03840
1208.0	1494.12	3249	2.253	.017	.04129	.00069	-.00484	-.00552
1210.0	1497.37	3205	2.249	-.008	.04129	-.00031	-.01258	-.01226

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TWO WAY TRAVEL TIME MS	DEPTH FROM SRD (OR TOP) M	INTERVAL VELOCITY M/S	INTERVAL DENSITY G/C3	REFLECT. COEFF.	TWO WAY ATTEN. COEFF.	SYNTHETIC SEISMO. PRIMARY	PRIMARY + MULTIPLES	MULTIPLES ONLY
1212.0	1500.58			-.001	.04129	-.00002	.04960	.04962
1214.0	1503.82	3245	2.219	-.006	.04129	-.00026	.00101	.00127
1216.0	1507.01	3186	2.232	0	0	0	-.05707	-.05707
1218.0							.03472	.03472
1220.0							.01137	.01137
1222.0							-.02777	-.02777
1224.0							.04751	.04751
1226.0							-.02768	-.02768
1228.0							.05092	.05092
1230.0							.02724	.02724
1232.0							-.04409	-.04409
1234.0							-.02211	-.02211
1236.0							-.01296	-.01296
1238.0							.00357	.00357
1240.0							-.02812	-.02812
1242.0							.05437	.05437
1244.0							-.05514	-.05514
1246.0							.05373	.05373
1248.0							-.03009	-.03009
1250.0							.02541	.02541
1252.0							.06893	.06893
1254.0							-.01191	-.01191
1256.0							-.04111	-.04111
1258.0							-.09400	-.09400
1260.0							.01256	.01256

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TWO WAY TRAVEL TIME MS	DEPTH FROM SRD (OR TOP) M	INTERVAL VELOCITY M/S	INTERVAL DENSITY G/C3	REFLECT. COEFF.	TWO WAY ATTEN. COEFF.	SYNTHETIC SEISMO. PRIMARY	PRIMARY + MULTIPLES	MULTIPLES ONLY
1262.0							-.01400	-.01400
1264.0							.02184	.02184
1266.0							.06612	.06612
1268.0							-.07138	-.07138
1270.0							.11142	.11142
1272.0							.01700	.01700
1274.0							-.00720	-.00720
1276.0							-.05203	-.05203
1278.0							-.12810	-.12810
1280.0							.02903	.02903
1282.0							.03933	.03933
1284.0							.02172	.02172
1286.0							.03985	.03985
1288.0							.02205	.02205
1290.0							-.03648	-.03648
1292.0							-.02117	-.02117
1294.0							.01256	.01256
1296.0							-.01676	-.01676
1298.0							.00108	.00108
1300.0							.00309	.00309
1302.0							.04009	.04009
1304.0							.08354	.08354
1306.0							-.04505	-.04505
1308.0							-.05664	-.05664

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TWO WAY TRAVEL TIME MS	DEPTH FROM SRD (OR TOP) M	INTERVAL VELOCITY M/S	INTERVAL DENSITY G/C3	REFLECT. COEFF.	TWO WAY ATTEN. COEFF.	SYNTHETIC SEISMO. PRIMARY	PRIMARY + MULTIPLES	MULTIPLES ONLY
1310.0							-.07600	-.07600
1312.0							.07192	.07192
1314.0							.03744	.03744
1316.0							.00712	.00712
1318.0							-.00398	-.00398
1320.0							.00671	.00671
1322.0							-.05213	-.05213
1324.0							-.02759	-.02759
1326.0							.02360	.02360
1328.0							-.00847	-.00847
1330.0							.06369	.06369
1332.0							.02604	.02604
1334.0							-.04463	-.04463
1336.0							.02238	.02238
1338.0							.01305	.01305
1340.0							-.05462	-.05462
1342.0							-.04579	-.04579
1344.0							-.05772	-.05772
1346.0							-.01944	-.01944
1348.0							.04926	.04926
1350.0							.00364	.00364
1352.0							.04451	.04451
1354.0							.02408	.02408
1356.0							.09232	.09232
1358.0							-.02897	-.02897

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TWO WAY TRAVEL TIME MS	DEPTH FROM SRD (OR TOP) M	INTERVAL VELOCITY M/S	INTERVAL DENSITY G/C3	REFLECT. COEFF.	TWO WAY ATTEN. COEFF.	SYNTHETIC SEISMO. PRIMARY	PRIMARY + MULTIPLES	MULTIPLES ONLY
1360.0							-.03936	-.03936
1362.0							-.01158	-.01158
1364.0							.00435	.00435
1366.0							-.01906	-.01906
1368.0							-.04963	-.04963
1370.0							.04867	.04867
1372.0							-.07055	-.07055
1374.0							.04879	.04879
1376.0							.07606	.07606
1378.0							-.02645	-.02645
1380.0							-.00383	-.00383
1382.0							-.08150	-.08150
1384.0							-.00075	-.00075
1386.0							.02064	.02064
1388.0							.04386	.04386
1390.0							-.02321	-.02321
1392.0							.01016	.01016
1394.0							-.03760	-.03760
1396.0							.04375	.04375
1398.0							-.00185	-.00185
1400.0							-.00425	-.00425
1402.0							.00690	.00690
1404.0							.02456	.02456
1406.0							-.01920	-.01920

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TWO WAY TRAVEL TIME MS	DEPTH FROM SRD (OR TOP) M	INTERVAL VELOCITY M/S	INTERVAL DENSITY G/C3	REFLECT. COEFF.	TWO WAY ATTEN. COEFF.	SYNTHETIC SEISMO. PRIMARY	PRIMARY + MULTIPLES	MULTIPLES ONLY
1408.0							-.09370	-.09370
1410.0							.09790	.09790
1412.0							.00422	.00422
1414.0							-.06709	-.06709
1416.0							.05479	.05479
1418.0							-.01138	-.01138
1420.0							.04122	.04122
1422.0							-.01221	-.01221
1424.0							-.04137	-.04137
1426.0							-.02151	-.02151
1428.0							-.03664	-.03664
1430.0							.09363	.09363
1432.0							-.10172	-.10172
1434.0							.05899	.05899
1436.0							-.05070	-.05070
1438.0							.04393	.04393
1440.0							-.00811	-.00811
1442.0							.04457	.04457
1444.0							.01777	.01777
1446.0							-.00765	-.00765
1448.0							-.12200	-.12200
1450.0							.05619	.05619
1452.0							-.01224	-.01224
1454.0							.00163	.00163
1456.0							.04402	.04402

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TWO WAY TRAVEL TIME MS	DEPTH FROM SRD (OR TOP) M	INTERVAL VELOCITY M/S	INTERVAL DENSITY G/C3	REFLECT. COEFF.	TWO WAY ATTEN. COEFF.	SYNTHETIC SEISMO. PRIMARY	PRIMARY + MULTIPLES	MULTIPLES ONLY
1458.0							.01520	.01520
1460.0							-.06434	-.06434
1462.0							.07230	.07230
1464.0							.02161	.02161
1466.0							-.02575	-.02575
1468.0							-.07537	-.07537
1470.0							.02282	.02282
1472.0							.03355	.03355
1474.0							.02014	.02014
1476.0							-.00981	-.00981
1478.0							-.00600	-.00600
1480.0							-.01916	-.01916
1482.0							.10093	.10093
1484.0							-.04735	-.04735
1486.0							.01937	.01937
1488.0							-.09319	-.09319
1490.0							.00621	.00621
1492.0							.02569	.02569
1494.0							-.06233	-.06233
1496.0							-.03394	-.03394
1498.0							.07757	.07757
1500.0							.00591	.00591
1502.0							-.01644	-.01644
1504.0							.03490	.03490

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TWO WAY TRAVEL TIME MS	DEPTH FROM SRD (OR TOP) M	INTERVAL VELOCITY M/S	INTERVAL DENSITY G/C3	REFLECT. COEFF.	TWO WAY ATTEN. COEFF.	SYNTHETIC SEISMO. PRIMARY	PRIMARY + MULTIPLES	MULTIPLES ONLY
1506.0							.00256	.00256
1508.0							.00452	.00452
1510.0							.02949	.02949
1512.0							-.03936	-.03936
1514.0							.04486	.04486
1516.0							-.03092	-.03092
1518.0							-.02352	-.02352
1520.0							-.01665	-.01665
1522.0							-.03720	-.03720
1524.0							.08845	.08845
1526.0							-.03533	-.03533
1528.0							.03939	.03939
1530.0							.03536	.03536
1532.0							-.05987	-.05987
1534.0							-.06794	-.06794
1536.0							.07813	.07813
1538.0							.00491	.00491
1540.0							-.03621	-.03621
1542.0							-.02652	-.02652
1544.0							-.03029	-.03029
1546.0							.02627	.02627
1548.0							.00628	.00628
1550.0							.08289	.08289
1552.0							.03883	.03883
1554.0							-.05434	-.05434

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TWO WAY TRAVEL TIME MS	DEPTH FROM SRD (OR TOP) M	INTERVAL VELOCITY M/S	INTERVAL DENSITY G/C3	REFLECT. COEFF.	TWO WAY ATTEN. COEFF.	SYNTHETIC SEISMO. PRIMARY	PRIMARY + MULTIPLES	MULTIPLES ONLY
1556.0							-.02861	-.02861
1558.0							-.01640	-.01640
1560.0							.08721	.08721
1562.0							.01837	.01837
1564.0							-.08630	-.08630
1566.0							.05994	.05994
1568.0							-.03799	-.03799
1570.0							-.02127	-.02127
1572.0							-.05266	-.05266
1574.0							.03672	.03672
1576.0							.03275	.03275
1578.0							.01500	.01500
1580.0							-.06537	-.06537
1582.0							.02880	.02880
1584.0							-.01642	-.01642
1586.0							-.08132	-.08132
1588.0							.03747	.03747
1590.0							.09465	.09465
1592.0							-.08873	-.08873
1594.0							.02307	.02307
1596.0							-.03269	-.03269
1598.0							.07208	.07208
1600.0							-.02405	-.02405
1602.0							.04034	.04034

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TWO WAY TRAVEL TIME MS	DEPTH FROM SRD (OR TOP) M	INTERVAL VELOCITY M/S	INTERVAL DENSITY G/C3	REFLECT. COEFF.	TWO WAY ATTEN. COEFF.	SYNTHETIC SEISMO. PRIMARY	PRIMARY + MULTIPLES	MULTIPLES ONLY
1604.0							-.04662	-.04662
1606.0							.03238	.03238
1608.0							.02429	.02429
1610.0							.04734	.04734
1612.0							-.10092	-.10092
1614.0							.03868	.03868
1616.0							-.00502	-.00502
1618.0							-.04009	-.04009
1620.0							.02573	.02573
1622.0							-.06179	-.06179
1624.0							.02965	.02965
1626.0							-.02465	-.02465
1628.0							-.02524	-.02524
1630.0							-.00734	-.00734
1632.0							.09174	.09174
1634.0							.02869	.02869
1636.0							.01909	.01909
1638.0							-.04638	-.04638
1640.0							-.02019	-.02019
1642.0							.03066	.03066
1644.0							-.04725	-.04725
1646.0							.03259	.03259
1648.0							-.01078	-.01078
1650.0							.00703	.00703
1652.0							-.01560	-.01560

COMPANY : ESSO AUSTRALIA LTD.

WELL : SNOOK #1

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TWO WAY TRAVEL TIME MS	DEPTH FROM SRD (OR TOP) M	INTERVAL VELOCITY M/S	INTERVAL DENSITY G/C3	REFLECT. COEFF.	TWO WAY ATTEN. COEFF.	SYNTHETIC SEISMO. PRIMARY	PRIMARY + MULTIPLES	MULTIPLES ONLY
1654.0							-.04251	-.04251
1656.0							.03555	.03555
1658.0							.08936	.08936
1660.0							-.02966	-.02966
1662.0							-.11328	-.11328
1664.0							.04328	.04328
1666.0							-.02604	-.02604
1668.0							-.01582	-.01582
1670.0							-.01533	-.01533
1672.0							-.00672	-.00672
1674.0							.04682	.04682
1676.0							-.03814	-.03814
1678.0							.05621	.05621
1680.0							.04976	.04976
1682.0							-.02502	-.02502
1684.0							.02976	.02976
1686.0							-.04489	-.04489
1688.0							-.04602	-.04602
1690.0							.02216	.02216
1692.0							.06769	.06769
1694.0							-.04737	-.04737
1696.0							-.04675	-.04675
1698.0							.06841	.06841
1700.0							-.03759	-.03759

COMPANY : ESSO AUSTRALIA LTD.

WELL : SNOOK #1

PAGE 35

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
1702.0							-.00019	-.00019
1704.0							.06652	.06652
1706.0							-.05273	-.05273
1708.0							.03150	.03150
1710.0							.01182	.01182
1712.0							.00923	.00923
1714.0							-.04460	-.04460
1716.0							.01158	.01158
1718.0							-.04685	-.04685
1720.0							.01787	.01787
1722.0							-.01801	-.01801
1724.0							.05124	.05124
1726.0							.04092	.04092
1728.0							-.07013	-.07013
1730.0							-.01664	-.01664
1732.0							.04737	.04737

ANALYST: Z.KATELIS

14-FEB-90 10:07:50

PROGRAM: GMULTP 006.E06

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

SYNTHETIC SEISMOGRAM TABLE

COMPANY : ESSO AUSTRALIA LTD.
WELL : SNOOK #1
FIELD : WILDCAT
CCOUNTRY : AUSTRALIA
REFERENCE: SYJ-56558

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

SYNTHETIC SEISMOGRAM TABLE

COMPANY : ESSO AUSTRALIA LTD.
WELL : SNOOK #1
FIELD : WILDCAT
COUNTRY : AUSTRALIA
REFERENCE: SYJ-56558

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

IGEOF1- FLAG INDICATING MODE OF PROCESSING
IGEOF1 = 0 WST DATA AVAILABLE AND PROCESSED
IGEOF1 = 1 WST DATA NOT AVAILABLE

LOG INPUT DATA :
GRFOO1- CHANNEL NAME FOR INPUT DENSITY LOG DATA
GTRDC1- CHANNEL NAME FOR INPUT SONIC LOG DATA
G CURVE- 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

CHANNEL 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 PRCC (GEOGRAM)	IGEOF	:	0	
INITIALIZE CDP LOGIC	ICDP	:	0	
CDP TIME	CDPTIM	:	200000	S
TIME SAMPLING (WST)	SRATE	:	2.00000	MS
TOP DEPTH OF PROCESSING	INIDEP	:	154.110	M
INITIAL TWO WAY TRAVEL T	INITAU	:	181960	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	MS
REFLECTION COEFF MAXIMUM	RCMAX	:	300000	
RMS VELOCITY IN WELL	RMSVWE	:	2645.07	M/S
UNIFORM EARTH VELOCITY	UNERTH	:	1480.00	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	0 - 0
USER VELOC (WST) LAYVEL	: 1750.000	175.000 - 49.0000
	1480.000	49.0000 0

G/C3
M/S

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
184.0	156.04	1927	2.054					
		2063	2.054	.034	.99885	.03392	.03392	0
186.0	158.10	2066	2.054	.001	.99885	.00069	-.00046	-.00115
188.0	160.17	2069	2.054	.001	.99885	.00085	.00035	-.00001
190.0	162.23	2064	2.054	-.001	.99885	-.00136	-.00141	-.00006
192.0	164.30	2097	2.054	.008	.99878	.00814	.00823	.00009
194.0	166.40	2106	2.054	.002	.99878	.00206	.00151	-.00056
196.0	168.50	2108	2.054	0	.99878	.00047	.00035	-.00012
198.0	170.61	2113	2.054	.001	.99877	.00104	.00100	-.00004
200.0	172.72	2120	2.054	.002	.99877	.00173	.00168	-.00005
202.0	174.84	2117	2.054	-.001	.99877	-.00073	-.00091	-.00018
204.0	176.96	2134	2.054	.004	.99875	.00413	.00416	.00002
206.0	179.09	2146	2.054	.003	.99875	.00269	.00240	-.00029
208.0	181.24	2135	2.054	-.002	.99874	-.00249	-.00268	-.00019
210.0	183.37	2156	2.054	.005	.99872	.00495	.00508	.00013
212.0	185.53	2230	2.054	.017	.99843	.01682	.01649	-.00033
214.0	187.76	2111	2.054	-.7	.99768	-.02745	-.02864	-.00119
216.0	189.87	2126	2.054	.004	.99767	.00351	.00533	.00182
218.0	192.00	2090	2.054	-.008	.99759	-.00840	-.00868	-.00028
220.0	194.09	2165	2.054	.017	.99729	.01739	.01796	.00056
222.0	196.25	2174	2.054	.002	.99729	.00213	.00058	-.00156
224.0	198.43	2195	2.054	.005	.99726	.00485	.00517	.00032
226.0	200.62	2202	2.054	.002	.99726	.00156	.00119	-.00037
228.0	202.82	2225	2.054	.005	.99724	.00509	.00510	.00001
230.0	205.05	2231	2.054	.001	.99723	.00136	.00078	-.00058

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
232.0	207.28	2252	2.054	.005	.99721	.00475	.00469	-.00007
234.0	209.53	2205	2.054	-.011	.99710	-.01057	-.01119	-.00062
236.0	211.74	2160	2.054	-.010	.99699	-.01017	-.00932	.00086
238.0	213.90	2222	2.054	.014	.99680	.01405	.01471	.00065
240.0	216.12	2203	2.054	-.004	.99678	-.00434	-.00557	-.00124
242.0	218.32	2242	2.054	.009	.99670	.00885	.00902	.00016
244.0	220.56	2198	2.054	-.010	.99660	-.00986	-.00962	.00025
246.0	222.76	2233	2.054	.008	.99654	.00787	.00792	.00006
248.0	225.00	2259	2.054	.006	.99651	.00570	.00526	-.00044
250.0	227.25	2311	2.054	.011	.99638	.01123	.00988	-.00140
252.0	229.57	2266	2.054	-.010	.99628	-.00978	-.00964	.00014
254.0	231.83	2291	2.054	.006	.99625	.00548	.00591	.00043
256.0	234.12	2256	2.054	-.008	.99619	-.00763	-.00761	.00002
258.0	236.38	2238	2.054	-.004	.99618	-.00399	-.00386	.00013
260.0	238.62	2270	2.054	.007	.99613	.00704	.00717	.00013
262.0	240.89	2312	2.054	.009	.99604	.00919	.00865	-.00054
264.0	243.20	2299	2.054	-.003	.99604	-.00289	-.00287	.00002
266.0	245.50	2228	2.054	-.016	.99579	-.01559	-.01602	-.00043
268.0	247.73	2220	2.054	-.002	.99579	-.00187	-.00158	.00029
270.0	249.94	2270	2.054	.011	.99566	.01111	.01161	.00050
272.0	252.21	2271	2.054	0	.99566	.00023	-.00117	-.00140
274.0	254.49	2322	2.054	.011	.99554	.01113	.01256	.00143
276.0	256.81	2315	2.054	-.002	.99554	-.00153	-.00344	-.00191
278.0	259.12	2342	2.054	.006	.99550	.00578	.00659	.00081
280.0	261.46			.019	.99515	.01833	.01785	-.00098

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
		2432	2.054					
282.0	263.90	2377	2.054	-.011	.99502	-.01136	-.01127	.00009
284.0	266.27	2419	2.054	.009	.99494	.00866	.00813	-.00053
286.0	268.69	2451	2.054	.007	.99490	.00649	.00663	.00015
288.0	271.14	2393	2.054	-.012	.99476	-.01195	-.01377	-.00181
290.0	273.54	2387	2.054	-.001	.99475	-.00128	-.00053	.00074
292.0	275.92	2467	2.054	.016	.99448	.01639	.01615	-.00023
294.0	278.39	2509	2.054	.008	.99441	.00345	.00815	-.00030
296.0	280.90	2622	2.054	.022	.99393	.02196	.02155	-.00041
298.0	283.52	2574	2.054	-.009	.99384	-.00910	-.01164	-.00254
300.0	286.10	2523	2.054	-.010	.99375	-.00995	-.00930	.00064
302.0	288.62	2587	2.054	.012	.99359	.01238	.01289	.00051
304.0	291.21	2613	2.054	.005	.99357	.00495	.00406	-.00089
306.0	293.82	2607	2.054	-.001	.99356	-.00113	-.00135	-.00017
308.0	296.43	2200	2.054	-.085	.98643	-.08413	-.08481	-.00063
310.0	298.63	2172	2.054	-.006	.98639	-.00620	-.00088	.00531
312.0	300.80	2220	2.054	.011	.98628	.01083	.01226	.00142
314.0	303.02	2125	2.054	-.022	.98580	-.02167	-.02392	-.00225
316.0	305.14	2010	2.054	-.028	.98503	-.02743	-.02546	.00282
318.0	307.15	2075	2.054	.016	.98478	.01574	.01791	.00217
320.0	309.23	2100	2.054	.006	.98475	.00582	.00416	-.00166
322.0	311.33	2221	2.054	.028	.98397	.02761	.02686	-.00075
324.0	313.55	2392	2.054	.037	.98262	.03651	.03556	-.00094
326.0	315.94	2325	2.054	-.014	.98242	-.01394	-.01588	-.00195
328.0	318.26	2345	2.054	.004	.98240	.00422	.00657	.00236

COMPANY : ESSO AUSTRALIA LTD.

WELL : SNOOK #1

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TWO WAY TRAVEL TIME MS	DEPTH FROM SRD (OR TOP) M	INTERVAL VELOCITY M/S	INTERVAL DENSITY G/C3	REFLECT. COEFF.	TWO WAY ATTEN. COEFF.	SYNTHETIC SEISMO. PRIMARY	PRIMARY + MULTIPLES	MULTIPLES ONLY
330.0	320.61	2329	2.054	-.003	.98239	-.00335	-.00461	-.00126
332.0	322.94	1985	2.054	-.080	.97615	-.07832	-.07763	.00069
334.0	324.92	1993	2.054	.002	.97614	.00187	.00565	.00377
336.0	326.92	2026	2.054	.008	.97608	.00797	.00845	.00048
338.0	328.94	1984	2.054	-.010	.97597	-.01014	-.00677	.00337
340.0	330.92	2071	2.054	.021	.97552	.02098	.01518	-.00580
342.0	333.00	1969	2.054	-.025	.97490	-.02460	-.02571	-.00110
344.0	334.97	2194	2.054	.054	.97206	.05259	.05500	.00241
346.0	337.16	2261	2.054	.015	.97184	.01468	.01219	-.00250
348.0	339.42	2640	2.054	.077	.96602	.07521	.07381	-.00139
350.0	342.06	2632	2.054	-.002	.96602	-.00146	-.00558	-.00413
352.0	344.69	2529	2.054	-.020	.96563	-.01931	-.02099	-.00167
354.0	347.22	2515	2.054	-.003	.96563	-.00269	.00261	.00530
356.0	349.74	2418	2.054	-.020	.96525	-.01896	-.01547	.00349
358.0	352.15	2328	2.054	-.019	.96491	-.01825	-.01798	.00027
360.0	354.48	2394	2.054	.014	.96472	.01341	.01389	.00048
362.0	356.88	2426	2.054	.007	.96468	.00629	.00481	-.00148
364.0	359.30	2298	2.054	-.027	.96397	-.02614	-.02777	-.00163
366.0	361.60	2320	2.054	.005	.96395	.00475	.00465	-.00010
368.0	363.92	2317	2.054	-.001	.96395	-.00062	-.00314	-.00252
370.0	366.24	2314	2.054	-.001	.96395	-.00062	-.00155	-.00093
372.0	368.55	2376	2.054	.013	.96378	.01268	.01321	.00053
374.0	370.93	2332	2.054	-.009	.96370	-.00895	-.01111	-.00216
376.0	373.26	2351	2.054	.004	.96368	.00379	.01164	.00785
378.0	375.61		2.054	.012	.96356	.01116	.00603	-.00513

PE604573

This is an enclosure indicator page.
The enclosure PE604573 is enclosed within the
container PE907035 at this location in this
document.

The enclosure PE604573 has the following characteristics:

- ITEM_BARCODE = PE604573
- CONTAINER_BARCODE = PE907035
 - NAME = Drift Corrected Sonic
 - BASIN = GIPPSLAND
 - PERMIT = VIC/P27
 - TYPE = WELL
 - SUBTYPE = VELOCITY_CHART
- DESCRIPTION = Drift Corrected Sonic (enclosure from
Sonic Calibration and Geogram
Processing Report) for Snook-1
- REMARKS =
- DATE_CREATED = 12/02/90
- DATE_RECEIVED = 10/05/90
 - W_NO = W1019
 - WELL_NAME = SNOOK-1
 - CONTRACTOR = SCHLUMBERGER
 - CLIENT_OP_CO = ESSO AUSTRALIA LTD

(Inserted by DNRE - Vic Govt Mines Dept)

PE604574

This is an enclosure indicator page.
The enclosure PE604574 is enclosed within the
container PE907035 at this location in this
document.

The enclosure PE604574 has the following characteristics:

- ITEM_BARCODE = PE604574
- CONTAINER_BARCODE = PE907035
 - NAME = Seismic Calibration Log
 - BASIN = GIPPSLAND
 - PERMIT = VIC/P27
 - TYPE = WELL
 - SUBTYPE = VELOCITY_CHART
- DESCRIPTION = Seismic Calibration Log (enclosure from
Sonic Calibration and Geogram
Processing Report) for Snook-1
- REMARKS =
- DATE_CREATED = 12/02/90
- DATE_RECEIVED = 10/05/90
 - W_NO = W1019
 - WELL_NAME = SNOOK-1
 - CONTRACTOR = SCHLUMBERGER
 - CLIENT_OP_CO = ESSO AUSTRALIA LTD

(Inserted by DNRE - Vic Govt Mines Dept)

PE907036

This is an enclosure indicator page.
The enclosure PE907036 is enclosed within the
container PE907035 at this location in this
document.

The enclosure PE907036 has the following characteristics:

ITEM_BARCODE = PE907036
CONTAINER_BARCODE = PE907035
NAME = Geogram
BASIN = GIPPSLAND
PERMIT = VIC/P27
TYPE = WELL
SUBTYPE = SYNTH_SEISMOGRAM
DESCRIPTION = Geogram/Synthetic Seismogram, 35 Hz,
(enclosure from Sonic Calibration and
Geogram Processing Report) for Snook-1
REMARKS =
DATE_CREATED = 12/02/90
DATE_RECEIVED = 10/05/90
W_NO = W1019
WELL_NAME = SNOOK-1
CONTRACTOR = SCHLUMBERGER
CLIENT_OP_CO = ESSO AUSTRALIA LTD

(Inserted by DNRE - Vic Govt Mines Dept)

PE907037

This is an enclosure indicator page.
The enclosure PE907037 is enclosed within the
container PE907035 at this location in this
document.

The enclosure PE907037 has the following characteristics:

ITEM_BARCODE = PE907037
CONTAINER_BARCODE = PE907035
NAME = Geogram
BASIN = GIPPSLAND
PERMIT = VIC/P27
TYPE = WELL
SUBTYPE = SYNTH_SEISMOGRAM
DESCRIPTION = Geogram/Synthetic Seismogram, 25 Hz,
(enclosure from Sonic Calibration and
Geogram Processing Report) for Snook-1
REMARKS =
DATE_CREATED = 12/02/90
DATE_RECEIVED = 10/05/90
W_NO = W1019
WELL_NAME = SNOOK-1
CONTRACTOR = SCHLUMBERGER
CLIENT_OP_CO = ESSO AUSTRALIA LTD

(Inserted by DNRE - Vic Govt Mines Dept)

PE907038

This is an enclosure indicator page.
The enclosure PE907038 is enclosed within the
container PE907035 at this location in this
document.

The enclosure PE907038 has the following characteristics:

- ITEM_BARCODE = PE907038
- CONTAINER_BARCODE = PE907035
- NAME = Geogram
- BASIN = GIPPSLAND
- PERMIT = VIC/P27
- TYPE = WELL
- SUBTYPE = SYNTH_SEISMOGRAM
- DESCRIPTION = Geogram/Synthetic Seismogram, 45 Hz,
(enclosure from Sonic Calibration and
Geogram Processing Report) for Snook-1
- REMARKS =
- DATE_CREATED = 12/02/90
- DATE_RECEIVED = 10/05/90
- W_NO = W1019
- WELL_NAME = SNOOK-1
- CONTRACTOR = SCHLUMBERGER
- CLIENT_OP_CO = ESSO AUSTRALIA LTD

(Inserted by DNRE - Vic Govt Mines Dept)