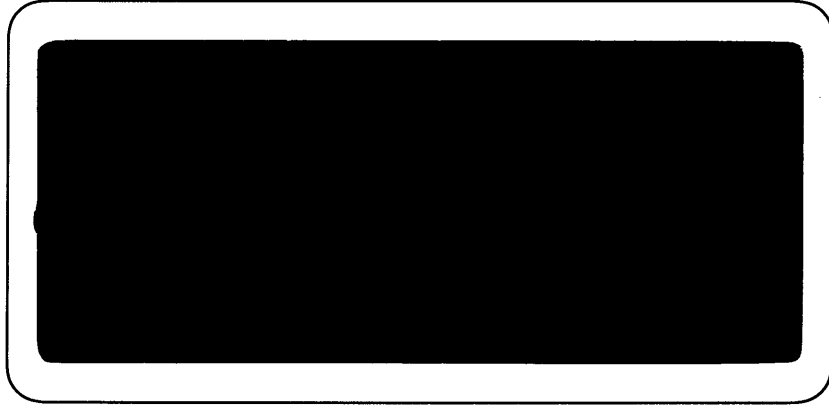
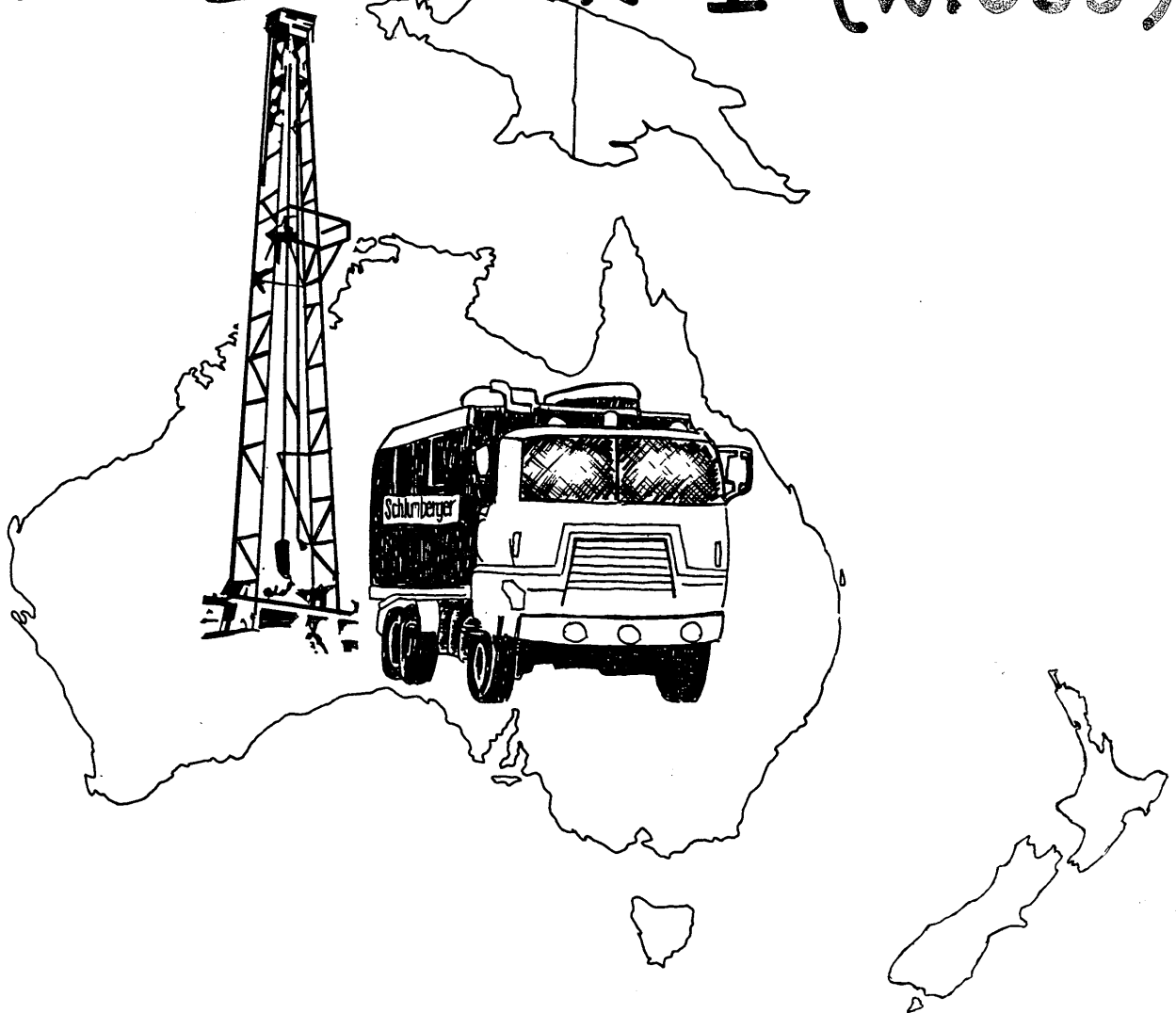




VELOCITY SURVEY REPORT ATTACHMENT TO WCR (VOL.1)



WHALESHARK-1 (W1068)



Schlumberger

PETROLEUM SECTION

ESSO AUSTRALIA LTD

SONIC CALIBRATION
AND GEOGRAM
PROCESSING REPORT

24 FEB 1993

WHALESHARK - 1

FIELD : WILDCAT

COUNTRY : AUSTRALIA

COORDINATES : 38 23' 45.8" S
148 43' 26.8" E

DATE OF SURVEY : 17 AUGUST 1992

REFERENCE NO. : SYJ-560821

INTERVAL : 2847.0 - 1492.0 M

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1. Introduction

A checkshot survey of the WHALESHARK #1 well has been used to calibrate the sonic log and generate synthetic seismograms using 25,35,45 hertz zero phase Ricker wavelets with a -90 degrees phase shift. The final presentation includes synthetic seismograms, at 20 cm/sec as well as a drift corrected sonic plot and a seismic calibration log.

2. Data Acquisition

The data was acquired with the CSAT acquisition tool. Recording was made on the MAXIS Unit using DLIS format.

Table 1: Survey Parameters

Datum	MSL
Elevation KB	22.00 metres AMSL
Elevation GL	21.70 metres below MSL
Total Depth	2847.00 metres below KB
Energy Source	Airgun
Source Offset	109 metres
Source Depth	10 metre below MSL
Source Azimuth	199 deg
Reference Sensor	Hydrophone
Hydrophone Offset	109 metres
Hydrophone Depth	15 metres below MSL
Hydrophone Azimuth	199 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:

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

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. Static corrections are applied to correct for source offset and source depth by assuming a water velocity of 1524 metres/sec.

3.3 Open Hole Logs

The sonic log has been recorded from 2847.0 to 1492.0 metres below KB. The overall log quality is good with small zones having been patched out. A density log was recorded from TD up to 2392 metres and is extrapolated to the surface with a constant density value.

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

3.4 Sonic Calibration Results

The top of the sonic log (1492 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 adjusted sonic parameter report.

4. Synthetic Seismogram Processing

GEOGRAM plots were generated using 25,35,45 HZ zero phase Ricker wavelets with a negative 90 degrees phase shift .

The presentations include both normal and reverse polarity on a time scale of 40cm/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

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

A1 Geophysical Airgun Report

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

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 depth from GL : the depth in meters from ground level.
5. Vertical travel time SRD to GEO : the calculated vertical travel time from datum to downhole geophone (see column 7, Geophysical Airgun Report).

6. Integrated raw sonic time : the raw sonic log is integrated from top to bottom and listed at each level. An initial value at the top of the sonic log is set equal to the checkshot time at that level. This may be an imposed shot if a shot was not taken at the top of the sonic.
7. Computed drift at level : the checkshot time minus the integrated raw sonic time.
8. Computed blk-shft correction : the drift gradient between any two checkshot levels ($\frac{\Delta drift}{\Delta depth}$).

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. Vertical depth from GL : the depth in meters from ground level.
5. Drift at knee : the value of drift imposed at each knee.
6. Blockshift used : the change in drift divided by the change in depth between any two levels.
7. Delta-T minimum used : see section 4 of report for an explanation of Δt_{min} .
8. Reduction factor : see section 4 of report.
9. Equivalent blockshift : the gradient of the imposed drift curve.

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 depth from GL : the depth in meters from ground level
5. Vertical travel time SRD to GEOPH : the vertical travel time from SRD to downhole geophone (see column 7, Geophysical Airgun Report)
6. Integrated adjusted sonic time : the adjusted sonic log is integrated from top to bottom. An initial value at the the top of the sonic is set equal the checkshot time at that level. (The adjusted sonic log is the drift corrected sonic log.)

7. Drift=shot time-raw sonic : the check shot time minus the raw integrated sonic time.
8. 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.
9. 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 milliseconds) and the sampling rate is 2 milliseconds.
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 milliseconds interval.

6. First normal moveout : the correction time in milliseconds 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 milliseconds 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 milliseconds 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.

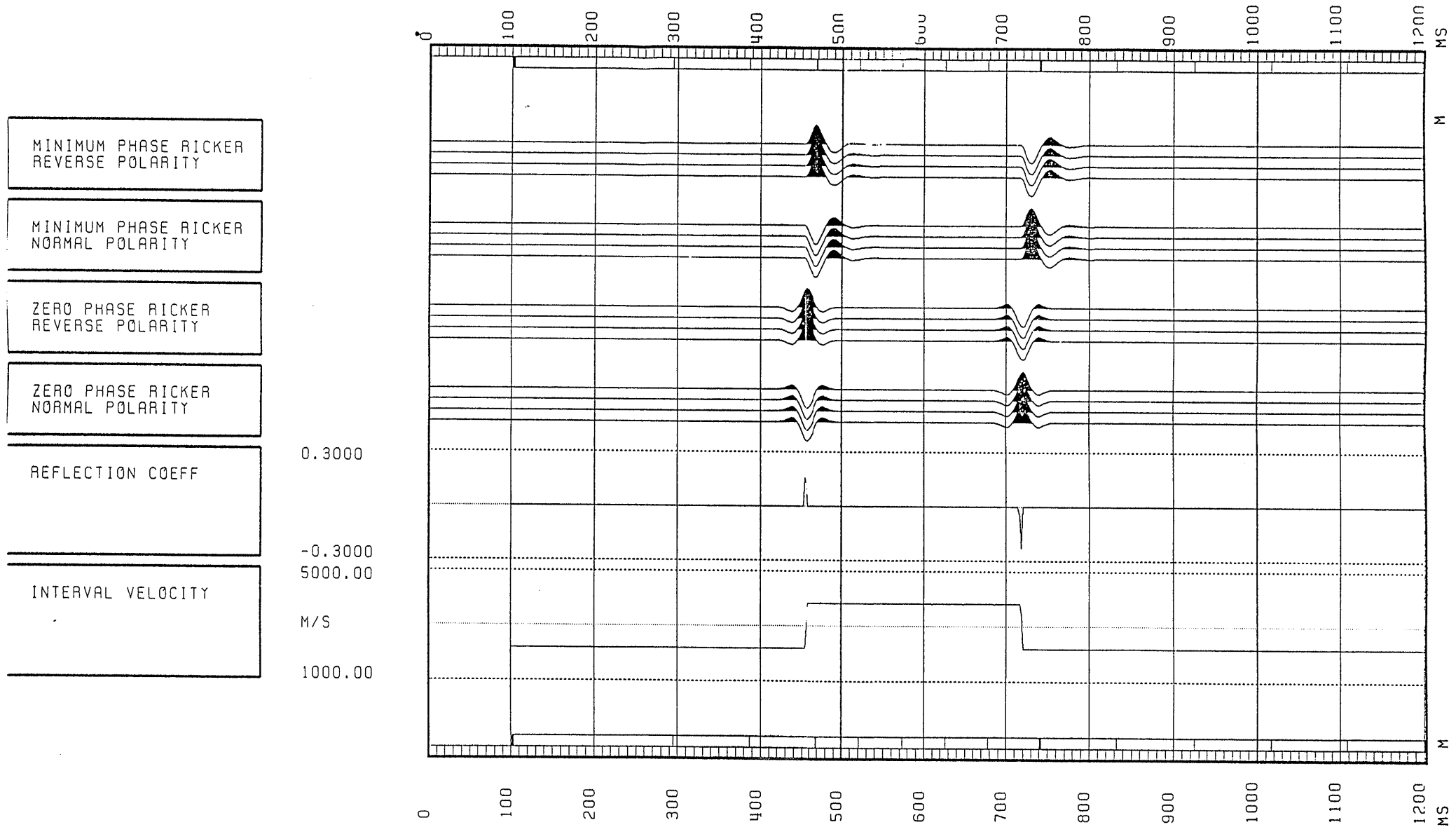
LIST OF ENCLOSURES

Drift Corrected Sonic
Seismic Calibration Log
25 hz zero phase Geogram 20 cm/sec
35 hz zero phase Geogram 20 cm/sec
45 hz zero phase Geogram 20 cm/sec

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

SCHLUMBERGER (SEG-1976) WAVELET POLARITY CONVENTION

Figure 1



RAW DEPTH

M
 1044.2
 1512.1
 1512.2
 1599.2
 1900.1
 1760.2
 1850.1
 1991.2
 2143.1
 2143.2
 2211.2
 2287.1
 2465.2
 2611.2
 2718.2
 2700.2
 2805.2
 2839.1
 2850.2

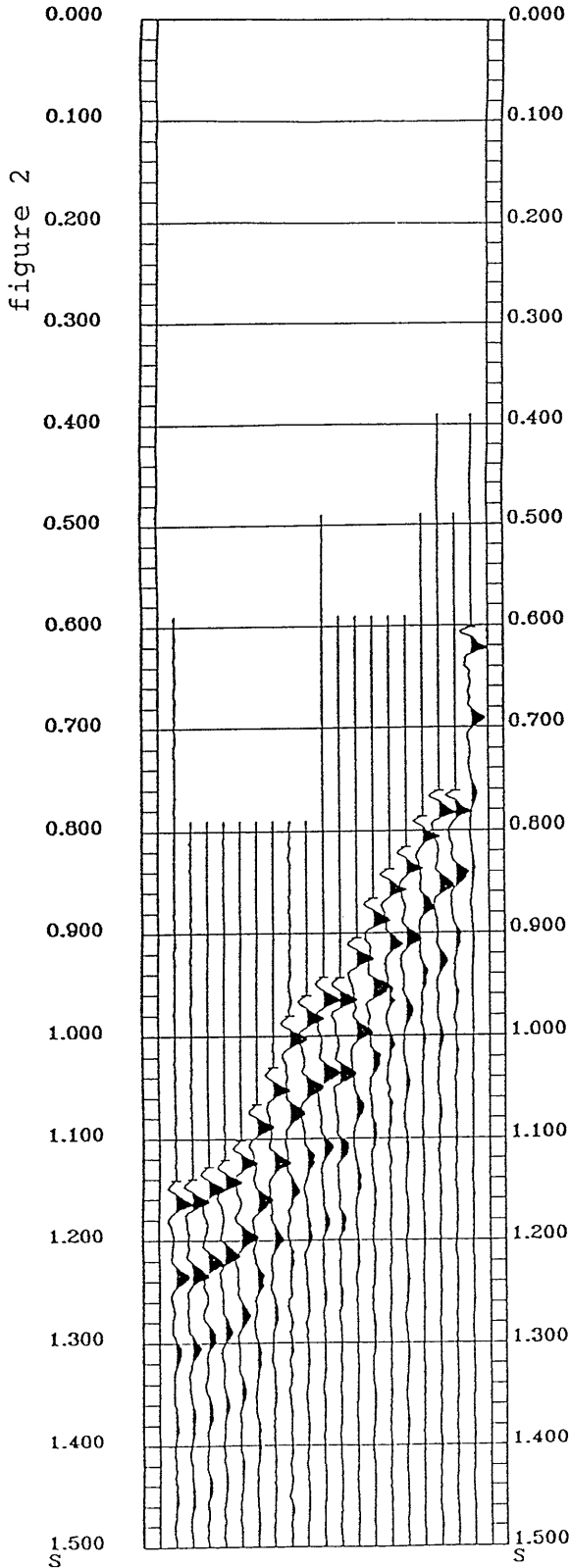
TRANSIT TIME

S
 0.602
 0.761
 0.782
 0.786
 0.616
 0.637
 0.686
 0.804
 0.843
 0.943
 0.990
 0.980
 1.030
 1.066
 1.102
 1.120
 1.128
 1.140
 1.141

LEVEL NO

20
 19
 18
 17
 16
 15
 14
 13
 12
 11
 10
 9
 8
 7
 6
 5
 4
 3
 2

CLIENT = ESSO
 FIELD = WILDCAT
 WELL = WHALESHARK-1



SHOTS

ANALYST: T. BOWMAN

28-AUG-92 09:32:34

PROGRAM: GSHOT 007.E08

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

GEOPHYSICAL AIRGUN REPORT

COMPANY : ESSO AUSTRALIA LTD
WELL : WHALESHARK #1
FIELD : WILDCAT
COUNTRY : AUSTRALIA
REFERENCE: 560821

ANALYST: T. BOWMAN

28-AUG-92 09:32:34

PROGRAM: GSHOT 007.E08

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

GEOPHYSICAL AIRGUN REPORT

COMPANY : ESSO AUSTRALIA LTD
WELL : WALESHARK #1
FIELD : WILDCAT
COUNTRY : AUSTRALIA
REFERENCE: 560821

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 USERS REFERENCE (GENERALLY GROUND LEVEL) ABOVE SRD
 VELHYD - VELOCITY OF THE MEDIUM BETWEEN THE SOURCE AND THE HYDROPHONE
 VELSUR - VELOCITY OF THE MEDIUM BETWEEN THE SOURCE AND THE SRD

MATRIX

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

SAMPLED

SHOT.GSH - SHOT NUMBER
 DKB.GSH - MEASURED DEPTH FROM KELLY-BUSHING
 DSRD.GSH - DEPTH FROM SRD
 DGL.GSH - VERTICAL DEPTH RELATIVE TO GROUND LEVEL (USER'S REFERENCE)
 TIMO.GSH - TIE IN MEMORIZED OUTPUT
 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	:	22.0000	M
ELEV OF SRD AB. MSL(WST)	SRD	:	0	M
ELEVATION OF KELLY BUSHI	EKB	:	22.0000	M
ELEV OF GL AB. SRD(WST)	GL	:	-717.000	M
VEL SOURCE-HYDRO(WST)	VELHYD	:	1524.00	M/S
VEL SOURCE-SRD (WST)	VELSUR	:	1524.00	M/S

(MATRIX PARAMETERS)

	SOURCE ELV M	SOURCE EW M	SOURCE NS M	HYDRO ELEV M	HYDRO EW M	HYDRO NS M
1	-10.00	49.74	33.55	-15.00	49.74	33.55

	TRT HYD-SC MS	TRT SC-SRD MS
1	3.28	6.56

	MD @ KB M	VD @ KB M	VD @ SRD M	E-W COORD M	N-S COORD M
1	739.00	739.00	717.00	0	0
2	1046.17	1046.17	1024.17	0	0
3	1512.08	1512.08	1490.08	0	0
4	1589.17	1589.17	1567.17	0	0
5	1690.11	1690.11	1668.11	0	0
6	1760.20	1760.20	1738.20	0	0
7	1850.13	1850.13	1828.13	0	0
8	1991.17	1991.17	1969.17	0	0
9	2143.15	2143.15	2121.15	0	0
10	2211.15	2211.15	2189.15	0	0
11	2287.15	2287.15	2265.15	0	0
12	2465.17	2465.17	2443.17	0	0
13	2611.17	2611.17	2589.17	0	0
14	2718.17	2718.17	2696.17	0	0
15	2780.16	2780.16	258.16	0	0
16	2802.18	2802.18	2780.18	0	0
17	2839.13	2839.13	2817.13	0	0
18	2850.17	2850.17	2828.17	0	0

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	739.00	717.00	0	462.29	463.90	470.46	1524			
2	1046.17	1024.17	307.17	602.10	604.32	610.89	1677	307.17	140.42	2187
3	1512.08	1490.08	773.08	761.49	764.14	770.70	1933	465.91	159.82	2915
4	1589.17	1567.17	850.17	786.20	788.90	795.46	1970	77.09	24.75	3114
5	1690.11	1668.11	951.11	815.84	818.59	825.15	2022	100.94	29.69	3400
6	1760.20	1738.20	1021.20	837.17	839.94	846.51	2053	70.09	21.36	3281
7	1850.13	1828.13	1111.13	865.70	868.51	875.07	2089	89.93	28.56	3148
8	1991.17	1969.17	1252.17	904.30	907.16	913.72	2155	141.04	38.65	3649
9	2143.15	2121.15	1404.15	943.23	946.13	952.69	2226	151.98	38.97	3900
10	2211.15	2189.15	1472.15	960.09	963.01	969.57	2258	68.00	16.88	4029
11	2287.15	2265.15	1548.15	980.15	983.08	989.64	2289	76.00	20.08	3785
12	2465.17	2443.17	1726.17	1029.60	1032.57	1039.13	2351	178.02	49.48	3598
13	2611.17	2589.17	1872.17	1065.81	1068.80	1075.36	2408	146.00	36.23	4029
14	2718.17	2696.17	1979.17	1101.52	1104.53	1111.09	2427	107.00	35.72	2995
15	2780.16	2758.16	2041.16	1120.07	1123.08	1129.64	2442	61.99	18.56	3340
16	2802.18	2780.18	2063.18	1127.60	1130.62	1137.18	2445	22.02	7.53	2923
17	2839.13	2817.13	2100.13	1139.61	1142.63	1149.19	2451	36.95	12.01	3076
18	2850.17	2828.17	2111.17	1141.62	1144.64	1151.20	2457	11.04	2.01	5488

ANALYST: T. BOWMAN

28-AUG-92 09:34:29

PROGRAM: GDRIFT 007.E09

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*                                     *  
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*          SCHLUMBERGER              *  
*                                     *  
*                                     *  
*****
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DRIIFT COMPUTATION REPORT

COMPANY : ESSO AUSTRALIA LTD
WELL : WHALESHARK #1
FIELD : WILDCAT
COUNTRY : AUSTRALIA
REFERENCE: 560821

ANALYST: T. BOWMAN

28-AUG-92 09:34:29

PROGRAM: GDRIFT 007.E09

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

DRIFT COMPUTATION REPORT

COMPANY : ESSO AUSTRALIA LTD
WELL : WHALESHARK #1
FIELD : WILDCAT
COUNTRY : AUSTRALIA
REFERENCE: 560821

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 USERS 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
 DKB - MEASURED DEPTH FROM KELLY-BUSHING
 DSRD - DEPTH FROM SRD
 DGL - VERTICAL DEPTH RELATIVE TO GROUND LEVEL (USER'S REFERENCE)
 SHTM - SHOT 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	:	22.0000	M
ELEV OF SRD AB. MSL(WST)	SRD	:	0	M
ELEVATION OF KELLY BUSHI	EKB	:	22.0000	M
ELEV OF GL AB. SRD(WST)	GL	:	-717.000	M
TOP OF ZONE PROCD (WST)	XSTART	:	0	M
BOT OF ZONE PROCD (WST)	XSTOP	:	0	M
RAW SONIC CH NAME (WST)	GAD001	:	DT.ATT.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

LEVEL NUMBER	MEASURED DEPTH FROM KB M	VERTICAL DEPTH FROM SRD M	VERTICAL DEPTH FROM GL M	VERTICAL TRAVEL TIME SRD/GEO MS	INTEGRATED RAW SONIC TIME MS	COMPUTED DRIFT AT LEVEL MS	COMPUTED BLK-SHFT CORRECTION US/F
1	739.00	717.00	0	470.46	470.46	0	0
2	1046.17	1024.17	307.17	610.89	610.89	0	0
3	1492.15	1470.15	753.15	763.87	763.87	0	0
4	1512.08	1490.08	773.08	770.70	770.38	.33	5.01
5	1589.17	1567.17	850.17	795.46	794.62	.84	2.02
6	1690.11	1668.11	951.11	825.15	823.18	1.96	3.40
7	1760.20	1738.20	1021.20	846.51	843.22	3.28	5.75
8	1850.13	1828.13	1111.13	875.07	871.47	3.60	1.06
9	1991.17	1969.17	1252.17	913.72	909.09	4.62	2.21
10	2143.15	2121.15	1404.15	952.69	947.37	5.32	1.41
11	2211.15	2189.15	1472.15	969.57	964.35	5.22	-.47
12	2287.15	2265.15	1548.15	989.64	983.79	5.86	2.56
13	2465.17	2443.17	1726.17	1039.13	1030.73	8.40	4.36
14	2611.17	2589.17	1872.17	1075.36	1066.13	9.24	1.74
15	2718.17	2696.17	1979.17	1111.09	1100.86	10.23	2.83
16	2780.16	2758.16	2041.16	1129.64	1119.61	10.03	-.96
17	2802.18	2780.18	2063.18	1137.18	1126.46	10.72	9.45
18	2839.13	2817.13	2100.13	1149.19	1137.08	12.11	11.48
19	2846.98	2824.98	2107.98	1150.62	1139.15	11.47	-24.73
20	2850.17	2828.17	2111.17	1151.20			

ANALYST: T. BOWMAN

28-AUG-92 09:42:54

PROGRAM: GADJST 008.E08

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*          SCHLUMBERGER          *  
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SONIC ADJUSTMENT PARAMETER REPORT

COMPANY : ESSO AUSTRALIA LTD
WELL : WHALESHARK #1
FIELD : WILDCAT
COUNTRY : AUSTRALIA
REFERENCE: 560821

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	:	7.50000	US/F
UNIFORM EARTH VELOCITY	UNERTH	:	1524.00	M/S

(ZONED PARAMETERS)

(VALUE)

(LIMITS)

USER DRIFT ZONE (WST)	ZDRIFT	:	10.80000	MS	2847.00	-	2465.50
			8.400000		2465.50		1760.00
			3.300000		1760.00		1492.50
ADJUSMNT MODE (WST)	ADJOPZ	:-	999.2500		1492.15		0
			30479.7	-	0		
USER DELTA-T MIN (WST)	ADJUSZ	:-	999.2500	US/F	30479.7	-	0
			30479.7		-		0
LAYER OPTION FLAG VELOC	LOFVEL	:	1.000000		30479.7	-	0
			2915.000	M/S	1492.15		-
USER VELOC (WST)	LAYVEL	:	2187.000			1046.17	
			1524.000		739.000		0

COMPANY : ESSO AUSTRALIA LTD

WELL : WHALESHARK #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/F	DELTA-T MINIMUM USED US/F	REDUCTION FACTOR G	EQUIVALENT BLOCKSHIFT US/F
2	1492.15	1470.15	753.15	0	0			0
3	1760.00	1738.00	1021.00	3.30	3.76			3.76
4	2465.50	2443.50	1726.50	8.40	2.20			2.20
5	2847.00	2825.00	2108.00	10.80	1.92			1.92

ANALYST: T. BOWMAN

28-AUG-92 09:43:03

PROGRAM: GADJST 008.E08

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*          SCHLUMBERGER          *  
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VELOCITY REPORT

COMPANY : ESSO AUSTRALIA LTD
WELL : WHALESHARK #1
FIELD : WILDCAT
COUNTRY : AUSTRALIA
REFERENCE: 560821

ANALYST: T. BOWMAN

28-AUG-92 09:43:03

PROGRAM: GADJST 008.E08

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*      SCHLUMBERGER                  *  
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VELOCITY REPORT

COMPANY : ESSO AUSTRALIA LTD
WELL : WHALESHARK #1
FIELD : WILDCAT
COUNTRY : AUSTRALIA
REFERENCE: 560821

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 USERS REFERENCE (GENERALLY GROUND LEVEL) ABOVE SRD
 UNERTH - UNIFORM EARTH VELOCITY (GTRFRM)

ZONE

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

SAMPLED

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

(GLOBAL PARAMETERS)

(VALUE)

ELEV OF KB AB. MSL (WST)	KB	:	22.0000	M
ELEV OF SRD AB. MSL(WST)	SRD	:	0	M
ELEVATION OF KELLY BUSHI	EKB	:	22.0000	M
ELEV OF GL AB. SRD(WST)	GL	:	-717.000	M
UNIFORM EARTH VELOCITY	UNERTH	:	1524.00	M/S

(ZONED PARAMETERS)

(VALUE)

(LIMITS)

LAYER OPTION FLAG VELOC	LOFVEL	:	1.000000		30479.7	-	0
USER VELOC (WST)	LAYVEL	:	2915.000	M/S	1492.15	-	1046.17
			2187.000		1046.17		739.000
			1524.000		739.000		0

COMPANY : ESSO AUSTRALIA LTD

WELL : WHALESHARK #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
								1524
1	739.00	717.00	0	470.46	470.46	0	0	2188
2	1046.17	1024.17	307.17	610.89	610.88	0	0	2915
3	1492.15	1470.15	753.15	763.87	763.86	0	.01	2950
4	1512.08	1490.08	773.08	770.70	770.62	.33	.09	3061
5	1589.17	1567.17	850.17	795.46	795.80	.84	-.35	3386
6	1690.11	1668.11	951.11	825.15	825.61	1.96	-.46	3353
7	1760.20	1738.20	1021.20	846.51	846.52	3.28	-.01	3112
8	1850.13	1828.13	1111.13	875.07	875.41	3.60	-.34	3650
9	1991.17	1969.17	1252.17	913.72	914.05	4.62	-.33	3861
10	2143.15	2121.15	1404.15	952.69	953.42	5.32	-.73	3892
11	2211.15	2189.15	1472.15	969.57	970.89	5.22	-1.33	3802
12	2287.15	2265.15	1548.15	989.64	990.88	5.86	-1.24	3692
13	2465.17	2443.17	1726.17	1039.13	1039.11	8.40	.02	4019
14	2611.17	2589.17	1872.17	1075.36	1075.43	9.24	-.07	3022
15	2718.17	2696.17	1979.17	1111.09	1110.84	10.23	.25	3238
16	2780.16	2758.16	2041.16	1129.64	1129.98	10.03	-.34	3151
17	2802.18	2780.18	2063.18	1137.18	1136.97	10.72	.21	3405
18	2839.13	2817.13	2100.13	1149.19	1147.82	12.11	1.37	3756
19	2846.98	2824.98	2107.98	1150.62	1149.91	11.47	.71	2470
20	2850.17	2828.17	2111.17	1151.20	1151.20		0	

TIME/DEPTH

ANALYST: T. BOWMAN

28-AUG-92 09:45:14

PROGRAM: GTRFRM 001.E12

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*          SCHLUMBERGER              *  
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TIME CONVERTED VELOCITY REPORT

COMPANY : ESSO AUSTRALIA LTD
WELL : WHALESHARK #1
FIELD : WILDCAT
COUNTRY : AUSTRALIA
REFERENCE: 560821

ANALYST: T. BOWMAN

28-AUG-92 09:45:14

PROGRAM: GTRFRM 001.E12

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*                                     *  
*   SCHLUMBERGER                     *  
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TIME CONVERTED VELOCITY REPORT

COMPANY : ESSO AUSTRALIA LTD
WELL : WHALESHARK #1
FIELD : WILDCAT
COUNTRY : AUSTRALIA
REFERENCE: 560821

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 USERS REFERENCE (GENERALLY GROUND LEVEL) ABOVE SRD
 UNERTH - UNIFORM EARTH VELOCITY (GTRFRM)
 UNFDEN - UNIFORM DENSITY VALUE

MATRIX

MVODIS - MOVE-OUT DISTANCE FROM BOREHOLE

ZONE

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

SAMPLED

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

(GLOBAL PARAMETERS)

(VALUE)

ELEV OF KB AB. MSL (WST)	KB	:	22.0000	M
ELEV OF SRD AB. MSL(WST)	SRD	:	0	M
ELEV OF GL AB. SRD(WST)	GL	:	-717.000	M
UNIFORM EARTH VELOCITY	UNERTH	:	1524.00	M/S
UNIFORM DENSITY VALUE	UNFDEN	:	2.30000	G/C3

(MATRIX PARAMETERS)

MVOUT DIST
M

1	1000.0
2	1500.0
3	2000.0

COMPANY : ESSO AUSTRALIA LTD

WELL : WHALESHARK #1

PAGE 2

(ZONED PARAMETERS)		(VALUE)	(LIMITS)
LAYER OPTION FLAG VELOC	LOFVEL	: 1.000000	30479.7 - 0
USER VELOC (WST)	LAYVEL	: 2915.000	M/S 1492.15 - 1046.17
		2187.000	1046.17 - 739.000
		1524.000	739.000 0
LAYER OPTION FLAG DENS	LOFDEN	:-1.000000	30479.7 - 0
USER SUPPLIED DENSITY DA	LAYDEN	: 0	G/C3 0 - 0

TWO-WAY TRAVEL TIME FROM SRD MS	MEASURED DEPTH FROM KB M	VERTICAL DEPTH FROM SRD M	AVERAGE VELOCITY SRD/GEO M/S	RMS VELOCITY M/S	FIRST NORMAL MOVEOUT MS	SECOND NORMAL MOVEOUT MS	THIRD NORMAL MOVEOUT MS	INTERVAL VELOCITY M/S
								1524
0	22.00	0						1524
2.00	23.52	1.52	1524	1524	654.17	982.25	1310.34	1524
4.00	25.05	3.05	1524	1524	652.18	980.26	1308.34	1524
6.00	26.57	4.57	1524	1524	650.20	978.27	1306.35	1524
8.00	28.10	6.10	1524	1524	648.22	976.28	1304.36	1524
10.00	29.62	7.62	1524	1524	646.24	974.30	1302.37	1524
12.00	31.14	9.14	1524	1524	644.28	972.32	1300.39	1524
14.00	32.67	10.67	1524	1524	642.32	970.35	1298.41	1524
16.00	34.19	12.19	1524	1524	640.36	968.38	1296.43	1524
18.00	35.72	13.72	1524	1524	638.41	966.42	1294.46	1524
20.00	37.24	15.24	1524	1524	636.47	964.46	1292.49	1524
22.00	38.76	16.76	1524	1524	634.54	962.50	1290.52	1524
24.00	40.29	18.29	1524	1524	632.61	960.54	1288.56	1524
26.00	41.81	19.81	1524	1524	630.68	958.60	1286.59	1524
28.00	43.34	21.34	1524	1524	628.77	956.65	1284.63	1524
30.00	44.86	22.86	1524	1524	626.85	954.71	1282.68	1524
32.00	46.38	24.38	1524	1524	624.95	952.77	1280.73	1524
34.00	47.91	25.91	1524	1524	623.05	950.84	1278.78	1524
36.00	49.43	27.43	1524	1524	621.15	948.91	1276.83	1524
38.00	50.96	28.96	1524	1524	619.27	946.99	1274.89	1524
40.00	52.48	30.48	1524	1524	617.39	945.06	1272.95	1524
42.00	54.00	32.00	1524	1524	615.51	943.15	1271.01	1524
44.00	55.53	33.53	1524	1524	613.64	941.24	1269.07	1524
46.00	57.05	35.05	1524	1524	611.78	939.33	1267.14	1524

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
								1524
48.00	58.58	36.58	1524	1524	609.92	937.42	1265.21	1524
50.00	60.10	38.10	1524	1524	608.07	935.52	1263.29	1524
52.00	61.62	39.62	1524	1524	606.23	933.62	1261.37	1524
54.00	63.15	41.15	1524	1524	604.39	931.73	1259.45	1524
56.00	64.67	42.67	1524	1524	602.55	929.84	1257.53	1524
58.00	66.20	44.20	1524	1524	600.73	927.96	1255.62	1524
60.00	67.72	45.72	1524	1524	598.91	926.08	1253.71	1524
62.00	69.24	47.24	1524	1524	597.09	924.20	1251.80	1524
64.00	70.77	48.77	1524	1524	595.28	922.33	1249.90	1524
66.00	72.29	50.29	1524	1524	593.48	920.46	1247.99	1524
68.00	73.82	51.82	1524	1524	591.68	918.60	1246.10	1524
70.00	75.34	53.34	1524	1524	589.89	916.74	1244.20	1524
72.00	76.86	54.86	1524	1524	588.11	914.88	1242.31	1524
74.00	78.39	56.39	1524	1524	586.33	913.03	1240.42	1524
76.00	79.91	57.91	1524	1524	584.55	911.18	1238.53	1524
78.00	81.44	59.44	1524	1524	582.79	909.34	1236.65	1524
80.00	82.96	60.96	1524	1524	581.03	907.50	1234.77	1524
82.00	84.48	62.48	1524	1524	579.27	905.66	1232.90	1524
84.00	86.01	64.01	1524	1524	577.52	903.83	1231.02	1524
86.00	87.53	65.53	1524	1524	575.78	902.00	1229.15	1524
88.00	89.06	67.06	1524	1524	574.04	900.18	1227.28	1524
90.00	90.58	68.58	1524	1524	572.31	898.36	1225.42	1524
92.00	92.10	70.10	1524	1524	570.59	896.54	1223.56	1524
94.00	93.63	71.63	1524	1524	568.87	894.73	1221.70	1524

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	95.15	73.15	1524	1524	567.15	892.92	1219.84	1524
98.00	96.68	74.68	1524	1524	565.45	891.12	1217.99	1524
100.00	98.20	76.20	1524	1524	563.74	889.32	1216.14	1524
102.00	99.72	77.72	1524	1524	562.05	887.52	1214.29	1524
104.00	101.25	79.25	1524	1524	560.36	885.73	1212.45	1524
106.00	102.77	80.77	1524	1524	558.67	883.94	1210.61	1524
108.00	104.30	82.30	1524	1524	557.00	882.16	1208.77	1524
110.00	105.82	83.82	1524	1524	555.32	880.38	1206.94	1524
112.00	107.34	85.34	1524	1524	553.66	878.60	1205.11	1524
114.00	108.87	86.87	1524	1524	552.00	876.83	1203.28	1524
116.00	110.39	88.39	1524	1524	550.34	875.06	1201.45	1524
118.00	111.92	89.92	1524	1524	548.69	873.30	1199.63	1524
120.00	113.44	91.44	1524	1524	547.05	871.54	1197.81	1524
122.00	114.96	92.96	1524	1524	545.41	869.78	1195.99	1524
124.00	116.49	94.49	1524	1524	543.78	868.03	1194.18	1524
126.00	118.01	96.01	1524	1524	542.16	866.28	1192.37	1524
128.00	119.54	97.54	1524	1524	540.54	864.54	1190.56	1524
130.00	121.06	99.06	1524	1524	538.92	862.80	1188.76	1524
132.00	122.58	100.58	1524	1524	537.31	861.06	1186.96	1524
134.00	124.11	102.11	1524	1524	535.71	859.33	1185.16	1524
136.00	125.63	103.63	1524	1524	534.11	857.60	1183.36	1524
138.00	127.16	105.16	1524	1524	532.52	855.88	1181.57	1524
140.00	128.68	106.68	1524	1524	530.94	854.16	1179.78	1524
142.00	130.20	108.20	1524	1524	529.36	852.44	1178.00	1524

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	131.73	109.73	1524	1524	527.78	850.73	1176.21	1524
146.00	133.25	111.25	1524	1524	526.21	849.02	1174.43	1524
148.00	134.78	112.78	1524	1524	524.65	847.32	1172.66	1524
150.00	136.30	114.30	1524	1524	523.09	845.62	1170.88	1524
152.00	137.82	115.82	1524	1524	521.54	843.92	1169.11	1524
154.00	139.35	117.35	1524	1524	520.00	842.23	1167.34	1524
156.00	140.87	118.87	1524	1524	518.46	840.54	1165.58	1524
158.00	142.40	120.40	1524	1524	516.92	838.85	1163.81	1524
160.00	143.92	121.92	1524	1524	515.39	837.17	1162.05	1524
162.00	145.44	123.44	1524	1524	513.87	835.49	1160.30	1524
164.00	146.97	124.97	1524	1524	512.35	833.82	1158.54	1524
166.00	148.49	126.49	1524	1524	510.84	832.15	1156.79	1524
168.00	150.02	128.02	1524	1524	509.33	830.49	1155.05	1524
170.00	151.54	129.54	1524	1524	507.83	828.83	1153.30	1524
172.00	153.06	131.06	1524	1524	506.34	827.17	1151.56	1524
174.00	154.59	132.59	1524	1524	504.85	825.51	1149.82	1524
176.00	156.11	134.11	1524	1524	503.36	823.86	1148.09	1524
178.00	157.64	135.64	1524	1524	501.88	822.22	1146.35	1524
180.00	159.16	137.16	1524	1524	500.41	820.58	1144.62	1524
182.00	160.68	138.68	1524	1524	498.94	818.94	1142.90	1524
184.00	162.21	140.21	1524	1524	497.48	817.30	1141.17	1524
186.00	163.73	141.73	1524	1524	496.02	815.67	1139.45	1524
188.00	165.26	143.26	1524	1524	494.57	814.05	1137.73	1524
190.00	166.78	144.78	1524	1524	493.12	812.42	1136.02	1524

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	168.30	146.30	1524	1524	491.68	810.80	1134.31	1524
194.00	169.83	147.83	1524	1524	490.25	809.19	1132.60	1524
196.00	171.35	149.35	1524	1524	488.82	807.58	1130.89	1524
198.00	172.88	150.88	1524	1524	487.39	805.97	1129.19	1524
200.00	174.40	152.40	1524	1524	485.97	804.37	1127.49	1524
202.00	175.92	153.92	1524	1524	484.56	802.77	1125.79	1524
204.00	177.45	155.45	1524	1524	483.15	801.17	1124.10	1524
206.00	178.97	156.97	1524	1524	481.74	799.58	1122.41	1524
208.00	180.50	158.50	1524	1524	480.35	797.99	1120.72	1524
210.00	182.02	160.02	1524	1524	478.95	796.41	1119.03	1524
212.00	183.54	161.54	1524	1524	477.57	794.82	1117.35	1524
214.00	185.07	163.07	1524	1524	476.18	793.25	1115.67	1524
216.00	186.59	164.59	1524	1524	474.81	791.67	1113.99	1524
218.00	188.12	166.12	1524	1524	473.43	790.11	1112.32	1524
220.00	189.64	167.64	1524	1524	472.07	788.54	1110.65	1524
222.00	191.16	169.16	1524	1524	470.71	786.98	1108.98	1524
224.00	192.69	170.69	1524	1524	469.35	785.42	1107.32	1524
226.00	194.21	172.21	1524	1524	468.00	783.87	1105.65	1524
228.00	195.74	173.74	1524	1524	466.65	782.31	1103.99	1524
230.00	197.26	175.26	1524	1524	465.31	780.77	1102.34	1524
232.00	198.78	176.78	1524	1524	463.97	779.22	1100.69	1524
234.00	200.31	178.31	1524	1524	462.64	777.69	1099.03	1524
236.00	201.83	179.83	1524	1524	461.32	776.15	1097.39	1524
238.00	203.36	181.36	1524	1524	460.00	774.62	1095.74	1524

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	204.88	182.88	1524	1524	458.68	773.09	1094.10	1524
242.00	206.40	184.40	1524	1524	457.37	771.57	1092.46	1524
244.00	207.93	185.93	1524	1524	456.07	770.05	1090.83	1524
246.00	209.45	187.45	1524	1524	454.77	768.53	1089.19	1524
248.00	210.98	188.98	1524	1524	453.47	767.02	1087.56	1524
250.00	212.50	190.50	1524	1524	452.18	765.51	1085.94	1524
252.00	214.02	192.02	1524	1524	450.89	764.00	1084.31	1524
254.00	215.55	193.55	1524	1524	449.61	762.50	1082.69	1524
256.00	217.07	195.07	1524	1524	448.34	761.00	1081.07	1524
258.00	218.60	196.60	1524	1524	447.07	759.50	1079.46	1524
260.00	220.12	198.12	1524	1524	445.80	758.01	1077.84	1524
262.00	221.64	199.64	1524	1524	444.54	756.53	1076.23	1524
264.00	223.17	201.17	1524	1524	443.29	755.04	1074.63	1524
266.00	224.69	202.69	1524	1524	442.03	753.56	1073.02	1524
268.00	226.22	204.22	1524	1524	440.79	752.09	1071.42	1524
270.00	227.74	205.74	1524	1524	439.55	750.61	1069.82	1524
272.00	229.26	207.26	1524	1524	438.31	749.14	1068.23	1524
274.00	230.79	208.79	1524	1524	437.08	747.68	1066.63	1524
276.00	232.31	210.31	1524	1524	435.85	746.22	1065.04	1524
278.00	233.84	211.84	1524	1524	434.63	744.76	1063.46	1524
280.00	235.36	213.36	1524	1524	433.41	743.30	1061.87	1524
282.00	236.88	214.88	1524	1524	432.20	741.85	1060.29	1524
284.00	238.41	216.41	1524	1524	430.99	740.41	1058.71	1524
286.00	239.93	217.93	1524	1524	429.79	738.96	1057.14	1524

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	241.46	219.46	1524	1524	428.59	737.52	1055.57	1524
290.00	242.98	220.98	1524	1524	427.40	736.09	1054.00	1524
292.00	244.50	222.50	1524	1524	426.21	734.65	1052.43	1524
294.00	246.03	224.03	1524	1524	425.02	733.22	1050.87	1524
296.00	247.55	225.55	1524	1524	423.84	731.80	1049.30	1524
298.00	249.08	227.08	1524	1524	422.67	730.38	1047.75	1524
300.00	250.60	228.60	1524	1524	421.50	728.96	1046.19	1524
302.00	252.12	230.12	1524	1524	420.33	727.54	1044.64	1524
304.00	253.65	231.65	1524	1524	419.17	726.13	1043.09	1524
306.00	255.17	233.17	1524	1524	418.01	724.72	1041.54	1524
308.00	256.70	234.70	1524	1524	416.86	723.32	1039.99	1524
310.00	258.22	236.22	1524	1524	415.71	721.92	1038.45	1524
312.00	259.74	237.74	1524	1524	414.57	720.52	1036.91	1524
314.00	261.27	239.27	1524	1524	413.43	719.13	1035.38	1524
316.00	262.79	240.79	1524	1524	412.29	717.73	1033.85	1524
318.00	264.32	242.32	1524	1524	411.16	716.35	1032.31	1524
320.00	265.84	243.84	1524	1524	410.04	714.96	1030.79	1524
322.00	267.36	245.36	1524	1524	408.92	713.58	1029.26	1524
324.00	268.89	246.89	1524	1524	407.80	712.21	1027.74	1524
326.00	270.41	248.41	1524	1524	406.69	710.84	1026.22	1524
328.00	271.94	249.94	1524	1524	405.58	709.47	1024.70	1524
330.00	273.46	251.46	1524	1524	404.48	708.10	1023.19	1524
332.00	274.98	252.98	1524	1524	403.38	706.74	1021.68	1524
334.00	276.51	254.51	1524	1524	402.28	705.38	1020.17	1524

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	278.03	256.03	1524	1524	401.19	704.02	1018.67	1524
338.00	279.56	257.56	1524	1524	400.11	702.67	1017.16	1524
340.00	281.08	259.08	1524	1524	399.02	701.32	1015.66	1524
342.00	282.60	260.60	1524	1524	397.95	699.98	1014.17	1524
344.00	284.13	262.13	1524	1524	396.87	698.64	1012.67	1524
346.00	285.65	263.65	1524	1524	395.80	697.30	1011.18	1524
348.00	287.18	265.18	1524	1524	394.74	695.96	1009.69	1524
350.00	288.70	266.70	1524	1524	393.68	694.63	1008.21	1524
352.00	290.22	268.22	1524	1524	392.62	693.30	1006.72	1524
354.00	291.75	269.75	1524	1524	391.57	691.98	1005.24	1524
356.00	293.27	271.27	1524	1524	390.52	690.66	1003.77	1524
358.00	294.80	272.80	1524	1524	389.48	689.34	1002.29	1524
360.00	296.32	274.32	1524	1524	388.44	688.02	1000.82	1524
362.00	297.84	275.84	1524	1524	387.40	686.71	999.35	1524
364.00	299.37	277.37	1524	1524	386.37	685.40	997.88	1524
366.00	300.89	278.89	1524	1524	385.34	684.10	996.42	1524
368.00	302.42	280.42	1524	1524	384.32	682.80	994.96	1524
370.00	303.94	281.94	1524	1524	383.30	681.50	993.50	1524
372.00	305.46	283.46	1524	1524	382.28	680.21	992.04	1524
374.00	306.99	284.99	1524	1524	381.27	678.91	990.59	1524
376.00	308.51	286.51	1524	1524	380.26	677.63	989.14	1524
378.00	310.04	288.04	1524	1524	379.26	676.34	987.69	1524
380.00	311.56	289.56	1524	1524	378.26	675.06	986.25	1524
382.00	313.08	291.08	1524	1524	377.26	673.78	984.80	1524

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	314.61	292.61	1524	1524	376.27	672.51	983.36	1524
386.00	316.13	294.13	1524	1524	375.28	671.24	981.93	1524
388.00	317.66	295.66	1524	1524	374.30	669.97	980.49	1524
390.00	319.18	297.18	1524	1524	373.32	668.70	979.06	1524
392.00	320.70	298.70	1524	1524	372.34	667.44	977.63	1524
394.00	322.23	300.23	1524	1524	371.37	666.18	976.20	1524
396.00	323.75	301.75	1524	1524	370.40	664.93	974.78	1524
398.00	325.28	303.28	1524	1524	369.44	663.68	973.36	1524
400.00	326.80	304.80	1524	1524	368.48	662.43	971.94	1524
402.00	328.32	306.32	1524	1524	367.52	661.18	970.53	1524
404.00	329.85	307.85	1524	1524	366.57	659.94	969.11	1524
406.00	331.37	309.37	1524	1524	365.62	658.70	967.70	1524
408.00	332.90	310.90	1524	1524	364.67	657.47	966.30	1524
410.00	334.42	312.42	1524	1524	363.73	656.23	964.89	1524
412.00	335.94	313.94	1524	1524	362.79	655.00	963.49	1524
414.00	337.47	315.47	1524	1524	361.86	653.78	962.09	1524
416.00	338.99	316.99	1524	1524	360.92	652.55	960.69	1524
418.00	340.52	318.52	1524	1524	360.00	651.33	959.30	1524
420.00	342.04	320.04	1524	1524	359.07	650.12	957.91	1524
422.00	343.56	321.56	1524	1524	358.15	648.90	956.52	1524
424.00	345.09	323.09	1524	1524	357.24	647.69	955.13	1524
426.00	346.61	324.61	1524	1524	356.33	646.49	953.75	1524
428.00	348.14	326.14	1524	1524	355.42	645.28	952.37	1524
430.00	349.66	327.66	1524	1524	354.51	644.08	950.99	1524

TWO-WAY TRAVEL TIME FROM SRD MS	MEASURED DEPTH FROM KB M	VERTICAL DEPTH FROM SRD M	AVERAGE VELOCITY SRD/GEO M/S	RMS VELOCITY M/S	FIRST NORMAL MOVEOUT MS	SECOND NORMAL MOVEOUT MS	THIRD NORMAL MOVEOUT MS	INTERVAL VELOCITY M/S
432.00	351.18	329.18	1524	1524	353.61	642.88	949.61	1524
434.00	352.71	330.71	1524	1524	352.71	641.69	948.24	1524
436.00	354.23	332.23	1524	1524	351.81	640.50	946.87	1524
438.00	355.76	333.76	1524	1524	350.92	639.31	945.50	1524
440.00	357.28	335.28	1524	1524	350.04	638.12	944.13	1524
442.00	358.80	336.80	1524	1524	349.15	636.94	942.77	1524
444.00	360.33	338.33	1524	1524	348.27	635.76	941.41	1524
446.00	361.85	339.85	1524	1524	347.39	634.59	940.05	1524
448.00	363.38	341.38	1524	1524	346.52	633.41	938.70	1524
450.00	364.90	342.90	1524	1524	345.65	632.24	937.34	1524
452.00	366.42	344.42	1524	1524	344.78	631.08	935.99	1524
454.00	367.95	345.95	1524	1524	343.92	629.91	934.65	1524
456.00	369.47	347.47	1524	1524	343.06	628.75	933.30	1524
458.00	371.00	349.00	1524	1524	342.20	627.59	931.96	1524
460.00	372.52	350.52	1524	1524	341.35	626.44	930.62	1524
462.00	374.04	352.04	1524	1524	340.50	625.29	929.28	1524
464.00	375.57	353.57	1524	1524	339.65	624.14	927.95	1524
466.00	377.09	355.09	1524	1524	338.81	622.99	926.62	1524
468.00	378.62	356.62	1524	1524	337.97	621.85	925.29	1524
470.00	380.14	358.14	1524	1524	337.13	620.71	923.96	1524
472.00	381.66	359.66	1524	1524	336.29	619.58	922.64	1524
474.00	383.19	361.19	1524	1524	335.46	618.44	921.31	1524
476.00	384.71	362.71	1524	1524	334.64	617.31	919.99	1524
478.00	386.24	364.24	1524	1524	333.81	616.18	918.68	1524

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	387.76	365.76	1524	1524	332.99	615.06	917.36	1524
482.00	389.28	367.28	1524	1524	332.17	613.94	916.05	1524
484.00	390.81	368.81	1524	1524	331.36	612.82	914.74	1524
486.00	392.33	370.33	1524	1524	330.55	611.70	913.44	1524
488.00	393.86	371.86	1524	1524	329.74	610.59	912.13	1524
490.00	395.38	373.38	1524	1524	328.94	609.48	910.83	1524
492.00	396.90	374.90	1524	1524	328.13	608.37	909.53	1524
494.00	398.43	376.43	1524	1524	327.34	607.27	908.23	1524
496.00	399.95	377.95	1524	1524	326.54	606.17	906.94	1524
498.00	401.48	379.48	1524	1524	325.75	605.07	905.65	1524
500.00	403.00	381.00	1524	1524	324.96	603.97	904.36	1524
502.00	404.52	382.52	1524	1524	324.17	602.88	903.07	1524
504.00	406.05	384.05	1524	1524	323.39	601.79	901.79	1524
506.00	407.57	385.57	1524	1524	322.61	600.70	900.51	1524
508.00	409.10	387.10	1524	1524	321.83	599.62	899.23	1524
510.00	410.62	388.62	1524	1524	321.06	598.54	897.95	1524
512.00	412.14	390.14	1524	1524	320.29	597.46	896.68	1524
514.00	413.67	391.67	1524	1524	319.52	596.38	895.40	1524
516.00	415.19	393.19	1524	1524	318.75	595.31	894.14	1524
518.00	416.72	394.72	1524	1524	317.99	594.24	892.87	1524
520.00	418.24	396.24	1524	1524	317.23	593.17	891.60	1524
522.00	419.76	397.76	1524	1524	316.48	592.11	890.34	1524
524.00	421.29	399.29	1524	1524	315.72	591.05	889.08	1524
526.00	422.81	400.81	1524	1524	314.97	589.99	887.83	1524

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	424.34	402.34	1524	1524	314.22	588.93	886.57	1524
530.00	425.86	403.86	1524	1524	313.48	587.88	885.32	1524
532.00	427.38	405.38	1524	1524	312.74	586.83	884.07	1524
534.00	428.91	406.91	1524	1524	312.00	585.78	882.82	1524
536.00	430.43	408.43	1524	1524	311.26	584.74	881.58	1524
538.00	431.96	409.96	1524	1524	310.53	583.69	880.33	1524
540.00	433.48	411.48	1524	1524	309.80	582.65	879.09	1524
542.00	435.00	413.00	1524	1524	309.07	581.62	877.86	1524
544.00	436.53	414.53	1524	1524	308.35	580.58	876.62	1524
546.00	438.05	416.05	1524	1524	307.62	579.55	875.39	1524
548.00	439.58	417.58	1524	1524	306.90	578.52	874.16	1524
550.00	441.10	419.10	1524	1524	306.19	577.50	872.93	1524
552.00	442.62	420.62	1524	1524	305.47	576.48	871.70	1524
554.00	444.15	422.15	1524	1524	304.76	575.45	870.48	1524
556.00	445.67	423.67	1524	1524	304.05	574.44	869.26	1524
558.00	447.20	425.20	1524	1524	303.35	573.42	868.04	1524
560.00	448.72	426.72	1524	1524	302.65	572.41	866.82	1524
562.00	450.24	428.24	1524	1524	301.94	571.40	865.61	1524
564.00	451.77	429.77	1524	1524	301.25	570.39	864.40	1524
566.00	453.29	431.29	1524	1524	300.55	569.39	863.19	1524
568.00	454.82	432.82	1524	1524	299.86	568.39	861.98	1524
570.00	456.34	434.34	1524	1524	299.17	567.39	860.78	1524
572.00	457.86	435.86	1524	1524	298.48	566.39	859.58	1524
574.00	459.39	437.39	1524	1524	297.80	565.40	858.38	1524

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	460.91	438.91	1524	1524	297.12	564.41	857.18	1524
578.00	462.44	440.44	1524	1524	296.44	563.42	855.98	1524
580.00	463.96	441.96	1524	1524	295.76	562.43	854.79	1524
582.00	465.48	443.48	1524	1524	295.09	561.45	853.60	1524
584.00	467.01	445.01	1524	1524	294.41	560.47	852.41	1524
586.00	468.53	446.53	1524	1524	293.75	559.49	851.23	1524
588.00	470.06	448.06	1524	1524	293.08	558.51	850.04	1524
590.00	471.58	449.58	1524	1524	292.42	557.54	848.86	1524
592.00	473.10	451.10	1524	1524	291.75	556.57	847.68	1524
594.00	474.63	452.63	1524	1524	291.09	555.60	846.51	1524
596.00	476.15	454.15	1524	1524	290.44	554.64	845.33	1524
598.00	477.68	455.68	1524	1524	289.78	553.68	844.16	1524
600.00	479.20	457.20	1524	1524	289.13	552.71	842.99	1524
602.00	480.72	458.72	1524	1524	288.48	551.76	841.82	1524
604.00	482.25	460.25	1524	1524	287.84	550.80	840.66	1524
606.00	483.77	461.77	1524	1524	287.19	549.85	839.50	1524
608.00	485.30	463.30	1524	1524	286.55	548.90	838.34	1524
610.00	486.82	464.82	1524	1524	285.91	547.95	837.18	1524
612.00	488.34	466.34	1524	1524	285.27	547.01	836.02	1524
614.00	489.87	467.87	1524	1524	284.64	546.06	834.87	1524
616.00	491.39	469.39	1524	1524	284.01	545.12	833.72	1524
618.00	492.92	470.92	1524	1524	283.38	544.19	832.57	1524
620.00	494.44	472.44	1524	1524	282.75	543.25	831.42	1524
622.00	495.96	473.96	1524	1524	282.12	542.32	830.28	1524

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	497.49	475.49	1524	1524	281.50	541.39	829.14	1524
626.00	499.01	477.01	1524	1524	280.88	540.46	828.00	1524
628.00	500.54	478.54	1524	1524	280.26	539.53	826.86	1524
630.00	502.06	480.06	1524	1524	279.65	538.61	825.72	1524
632.00	503.58	481.58	1524	1524	279.03	537.69	824.59	1524
634.00	505.11	483.11	1524	1524	278.42	536.77	823.46	1524
636.00	506.63	484.63	1524	1524	277.81	535.86	822.33	1524
638.00	508.16	486.16	1524	1524	277.21	534.94	821.20	1524
640.00	509.68	487.68	1524	1524	276.60	534.03	820.08	1524
642.00	511.20	489.20	1524	1524	276.00	533.12	818.95	1524
644.00	512.73	490.73	1524	1524	275.40	532.22	817.84	1524
646.00	514.25	492.25	1524	1524	274.80	531.31	816.72	1524
648.00	515.78	493.78	1524	1524	274.20	530.41	815.60	1524
650.00	517.30	495.30	1524	1524	273.61	529.51	814.49	1524
652.00	518.82	496.82	1524	1524	273.02	528.62	813.38	1524
654.00	520.35	498.35	1524	1524	272.43	527.72	812.27	1524
656.00	521.87	499.87	1524	1524	271.84	526.83	811.16	1524
658.00	523.40	501.40	1524	1524	271.26	525.94	810.06	1524
660.00	524.92	502.92	1524	1524	270.68	525.05	808.95	1524
662.00	526.44	504.44	1524	1524	270.09	524.17	807.85	1524
664.00	527.97	505.97	1524	1524	269.52	523.29	806.76	1524
666.00	529.49	507.49	1524	1524	268.94	522.41	805.66	1524
668.00	531.02	509.02	1524	1524	268.37	521.53	804.57	1524
670.00	532.54	510.54	1524	1524	267.79	520.65	803.47	1524

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	534.06	512.06	1524	1524	267.22	519.78	802.38	1524
674.00	535.59	513.59	1524	1524	266.66	518.91	801.30	1524
676.00	537.11	515.11	1524	1524	266.09	518.04	800.21	1524
678.00	538.64	516.64	1524	1524	265.53	517.17	799.13	1524
680.00	540.16	518.16	1524	1524	264.96	516.31	798.05	1524
682.00	541.68	519.68	1524	1524	264.40	515.45	796.97	1524
684.00	543.21	521.21	1524	1524	263.85	514.59	795.89	1524
686.00	544.73	522.73	1524	1524	263.29	513.73	794.82	1524
688.00	546.26	524.26	1524	1524	262.74	512.87	793.75	1524
690.00	547.78	525.78	1524	1524	262.19	512.02	792.68	1524
692.00	549.30	527.30	1524	1524	261.64	511.17	791.61	1524
694.00	550.83	528.83	1524	1524	261.09	510.32	790.54	1524
696.00	552.35	530.35	1524	1524	260.54	509.47	789.48	1524
698.00	553.88	531.88	1524	1524	260.00	508.63	788.42	1524
700.00	555.40	533.40	1524	1524	259.46	507.79	787.36	1524
702.00	556.92	534.92	1524	1524	258.92	506.95	786.30	1524
704.00	558.45	536.45	1524	1524	258.38	506.11	785.24	1524
706.00	559.97	537.97	1524	1524	257.84	505.28	784.19	1524
708.00	561.50	539.50	1524	1524	257.31	504.44	783.14	1524
710.00	563.02	541.02	1524	1524	256.78	503.61	782.09	1524
712.00	564.54	542.54	1524	1524	256.25	502.78	781.04	1524
714.00	566.07	544.07	1524	1524	255.72	501.96	780.00	1524
716.00	567.59	545.59	1524	1524	255.19	501.13	778.95	1524
718.00	569.12	547.12	1524	1524	254.67	500.31	777.91	1524

TWO-WAY TRAVEL TIME FROM SRD MS	MEASURED DEPTH FROM KB M	VERTICAL DEPTH FROM SRD M	AVERAGE VELOCITY SRD/GEO M/S	RMS VELOCITY M/S	FIRST NORMAL MOVEOUT MS	SECOND NORMAL MOVEOUT MS	THIRD NORMAL MOVEOUT MS	INTERVAL VELOCITY M/S
720.00	570.64	548.64	1524	1524	254.14	499.49	776.87	1524
722.00	572.16	550.16	1524	1524	253.62	498.67	775.84	1524
724.00	573.69	551.69	1524	1524	253.10	497.85	774.80	1524
726.00	575.21	553.21	1524	1524	252.59	497.04	773.77	1524
728.00	576.74	554.74	1524	1524	252.07	496.23	772.74	1524
730.00	578.26	556.26	1524	1524	251.56	495.42	771.71	1524
732.00	579.78	557.78	1524	1524	251.05	494.61	770.68	1524
734.00	581.31	559.31	1524	1524	250.54	493.81	769.66	1524
736.00	582.83	560.83	1524	1524	250.03	493.00	768.63	1524
738.00	584.36	562.36	1524	1524	249.52	492.20	767.61	1524
740.00	585.88	563.88	1524	1524	249.02	491.40	766.59	1524
742.00	587.40	565.40	1524	1524	248.52	490.61	765.58	1524
744.00	588.93	566.93	1524	1524	248.01	489.81	764.56	1524
746.00	590.45	568.45	1524	1524	247.52	489.02	763.55	1524
748.00	591.98	569.98	1524	1524	247.02	488.23	762.54	1524
750.00	593.50	571.50	1524	1524	246.52	487.44	761.53	1524
752.00	595.02	573.02	1524	1524	246.03	486.65	760.52	1524
754.00	596.55	574.55	1524	1524	245.54	485.87	759.52	1524
756.00	598.07	576.07	1524	1524	245.05	485.08	758.52	1524
758.00	599.60	577.60	1524	1524	244.56	484.30	757.52	1524
760.00	601.12	579.12	1524	1524	244.07	483.52	756.52	1524
762.00	602.64	580.64	1524	1524	243.58	482.75	755.52	1524
764.00	604.17	582.17	1524	1524	243.10	481.97	754.53	1524
766.00	605.69	583.69	1524	1524	242.62	481.20	753.53	1524

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	607.22	585.22	1524	1524	242.14	480.43	752.54	1524
770.00	608.74	586.74	1524	1524	241.66	479.66	751.55	1524
772.00	610.26	588.26	1524	1524	241.18	478.89	750.57	1524
774.00	611.79	589.79	1524	1524	240.71	478.13	749.58	1524
776.00	613.31	591.31	1524	1524	240.23	477.37	748.60	1524
778.00	614.84	592.84	1524	1524	239.76	476.61	747.62	1524
780.00	616.36	594.36	1524	1524	239.29	475.85	746.64	1524
782.00	617.88	595.88	1524	1524	238.82	475.09	745.66	1524
784.00	619.41	597.41	1524	1524	238.36	474.34	744.69	1524
786.00	620.93	598.93	1524	1524	237.89	473.58	743.71	1524
788.00	622.46	600.46	1524	1524	237.43	472.83	742.74	1524
790.00	623.98	601.98	1524	1524	236.96	472.08	741.77	1524
792.00	625.50	603.50	1524	1524	236.50	471.34	740.80	1524
794.00	627.03	605.03	1524	1524	236.04	470.59	739.84	1524
796.00	628.55	606.55	1524	1524	235.59	469.85	738.88	1524
798.00	630.08	608.08	1524	1524	235.13	469.11	737.91	1524
800.00	631.60	609.60	1524	1524	234.68	468.37	736.95	1524
802.00	633.12	611.12	1524	1524	234.22	467.63	736.00	1524
804.00	634.65	612.65	1524	1524	233.77	466.89	735.04	1524
806.00	636.17	614.17	1524	1524	233.32	466.16	734.08	1524
808.00	637.70	615.70	1524	1524	232.87	465.43	733.13	1524
810.00	639.22	617.22	1524	1524	232.43	464.70	732.18	1524
812.00	640.74	618.74	1524	1524	231.98	463.97	731.23	1524
814.00	642.27	620.27	1524	1524	231.54	463.24	730.29	1524

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	643.79	621.79	1524	1524	231.10	462.52	729.34	1524
818.00	645.32	623.32	1524	1524	230.66	461.80	728.40	1524
820.00	646.84	624.84	1524	1524	230.22	461.07	727.46	1524
822.00	648.36	626.36	1524	1524	229.78	460.36	726.52	1524
824.00	649.89	627.89	1524	1524	229.34	459.64	725.58	1524
826.00	651.41	629.41	1524	1524	228.91	458.92	724.65	1524
828.00	652.94	630.94	1524	1524	228.48	458.21	723.71	1524
830.00	654.46	632.46	1524	1524	228.04	457.50	722.78	1524
832.00	655.98	633.98	1524	1524	227.61	456.79	721.85	1524
834.00	657.51	635.51	1524	1524	227.18	456.08	720.92	1524
836.00	659.03	637.03	1524	1524	226.76	455.37	720.00	1524
838.00	660.56	638.56	1524	1524	226.33	454.67	719.07	1524
840.00	662.08	640.08	1524	1524	225.91	453.97	718.15	1524
842.00	663.60	641.60	1524	1524	225.48	453.27	717.23	1524
844.00	665.13	643.13	1524	1524	225.06	452.57	716.31	1524
846.00	666.65	644.65	1524	1524	224.64	451.87	715.39	1524
848.00	668.18	646.18	1524	1524	224.22	451.18	714.48	1524
850.00	669.70	647.70	1524	1524	223.80	450.48	713.56	1524
852.00	671.22	649.22	1524	1524	223.39	449.79	712.65	1524
854.00	672.75	650.75	1524	1524	222.97	449.10	711.74	1524
856.00	674.27	652.27	1524	1524	222.56	448.41	710.83	1524
858.00	675.80	653.80	1524	1524	222.15	447.72	709.93	1524
860.00	677.32	655.32	1524	1524	221.74	447.04	709.02	1524
862.00	678.84	656.84	1524	1524	221.33	446.36	708.12	1524

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	680.37	658.37	1524	1524	220.92	445.67	707.22	1524
866.00	681.89	659.89	1524	1524	220.51	445.00	706.32	1524
868.00	683.42	661.42	1524	1524	220.11	444.32	705.42	1524
870.00	684.94	662.94	1524	1524	219.70	443.64	704.52	1524
872.00	686.46	664.46	1524	1524	219.30	442.97	703.63	1524
874.00	687.99	665.99	1524	1524	218.90	442.29	702.74	1524
876.00	689.51	667.51	1524	1524	218.50	441.62	701.85	1524
878.00	691.04	669.04	1524	1524	218.10	440.95	700.96	1524
880.00	692.56	670.56	1524	1524	217.71	440.28	700.07	1524
882.00	694.08	672.08	1524	1524	217.31	439.62	699.19	1524
884.00	695.61	673.61	1524	1524	216.91	438.95	698.30	1524
886.00	697.13	675.13	1524	1524	216.52	438.29	697.42	1524
888.00	698.66	676.66	1524	1524	216.13	437.63	696.54	1524
890.00	700.18	678.18	1524	1524	215.74	436.97	695.66	1524
892.00	701.70	679.70	1524	1524	215.35	436.31	694.79	1524
894.00	703.23	681.23	1524	1524	214.96	435.66	693.91	1524
896.00	704.75	682.75	1524	1524	214.57	435.00	693.04	1524
898.00	706.28	684.28	1524	1524	214.19	434.35	692.17	1524
900.00	707.80	685.80	1524	1524	213.80	433.70	691.30	1524
902.00	709.32	687.32	1524	1524	213.42	433.05	690.43	1524
904.00	710.85	688.85	1524	1524	213.04	432.40	689.56	1524
906.00	712.37	690.37	1524	1524	212.66	431.75	688.70	1524
908.00	713.90	691.90	1524	1524	212.28	431.11	687.84	1524
910.00	715.42	693.42	1524	1524	211.90	430.47	686.97	1524

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
								1524
912.00	716.94	694.94	1524	1524	211.52	429.83	686.11	1524
914.00	718.47	696.47	1524	1524	211.15	429.19	685.26	1524
916.00	719.99	697.99	1524	1524	210.77	428.55	684.40	1524
918.00	721.52	699.52	1524	1524	210.40	427.91	683.55	1524
920.00	723.04	701.04	1524	1524	210.03	427.28	682.69	1524
922.00	724.56	702.56	1524	1524	209.65	426.64	681.84	1524
924.00	726.09	704.09	1524	1524	209.28	426.01	680.99	1524
926.00	727.61	705.61	1524	1524	208.92	425.38	680.15	1524
928.00	729.14	707.14	1524	1524	208.55	424.75	679.30	1524
930.00	730.66	708.66	1524	1524	208.18	424.12	678.45	1524
932.00	732.18	710.18	1524	1524	207.82	423.50	677.61	1524
934.00	733.71	711.71	1524	1524	207.45	422.87	676.77	1524
936.00	735.23	713.23	1524	1524	207.09	422.25	675.93	1524
938.00	736.76	714.76	1524	1524	206.73	421.63	675.09	1524
940.00	738.28	716.28	1524	1524	206.37	421.01	674.26	1922
942.00	740.20	718.20	1525	1525	205.77	419.95	672.75	2187
944.00	742.39	720.39	1526	1527	205.00	418.54	670.73	2187
946.00	744.58	722.58	1528	1528	204.23	417.14	668.72	2188
948.00	746.76	724.76	1529	1530	203.46	415.75	666.72	2187
950.00	748.95	726.95	1530	1532	202.70	414.37	664.74	2188
952.00	751.14	729.14	1532	1533	201.95	412.99	662.77	2187
954.00	753.33	731.33	1533	1535	201.20	411.63	660.81	2187
956.00	755.51	733.51	1535	1537	200.46	410.28	658.86	2187
958.00	757.70	735.70	1536	1538	199.72	408.93	656.92	2187

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
								2187
960.00	759.89	737.89	1537	1540	198.99	407.60	655.00	2188
962.00	762.08	740.08	1539	1542	198.26	406.27	653.09	2187
964.00	764.26	742.26	1540	1543	197.54	404.95	651.19	2188
966.00	766.45	744.45	1541	1545	196.83	403.64	649.30	2187
968.00	768.64	746.64	1543	1546	196.11	402.34	647.42	2187
970.00	770.83	748.83	1544	1548	195.41	401.05	645.55	2187
972.00	773.01	751.01	1545	1550	194.71	399.76	643.70	2187
974.00	775.20	753.20	1547	1551	194.01	398.49	641.85	2188
976.00	777.39	755.39	1548	1553	193.32	397.22	640.02	2187
978.00	779.58	757.58	1549	1554	192.64	395.96	638.20	2188
980.00	781.76	759.76	1551	1556	191.95	394.71	636.39	2187
982.00	783.95	761.95	1552	1557	191.28	393.46	634.58	2187
984.00	786.14	764.14	1553	1559	190.61	392.23	632.79	2187
986.00	788.33	766.33	1554	1561	189.94	391.00	631.02	2187
988.00	790.51	768.51	1556	1562	189.28	389.78	629.25	2188
990.00	792.70	770.70	1557	1564	188.62	388.56	627.49	2187
992.00	794.89	772.89	1558	1565	187.96	387.36	625.74	2188
994.00	797.08	775.08	1560	1567	187.32	386.16	624.00	2187
996.00	799.26	777.26	1561	1568	186.67	384.97	622.27	2188
998.00	801.45	779.45	1562	1570	186.03	383.79	620.55	2187
1000.00	803.64	781.64	1563	1571	185.40	382.61	618.84	2187
1002.00	805.83	783.83	1565	1573	184.76	381.44	617.14	2187
1004.00	808.01	786.01	1566	1574	184.14	380.28	615.45	2188
1006.00	810.20	788.20	1567	1575	183.51	379.13	613.77	

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	812.39	790.39	1568	1577	182.89	377.98	612.10	2187
1010.00	814.58	792.58	1569	1578	182.28	376.84	610.44	2187
1012.00	816.76	794.76	1571	1580	181.67	375.70	608.79	2187
1014.00	818.95	796.95	1572	1581	181.06	374.58	607.14	2188
1016.00	821.14	799.14	1573	1583	180.46	373.46	605.51	2187
1018.00	823.33	801.33	1574	1584	179.86	372.34	603.88	2187
1020.00	825.51	803.51	1576	1585	179.27	371.24	602.27	2187
1022.00	827.70	805.70	1577	1587	178.68	370.14	600.66	2188
1024.00	829.89	807.89	1578	1588	178.09	369.04	599.06	2187
1026.00	832.08	810.08	1579	1590	177.50	367.95	597.47	2187
1028.00	834.26	812.26	1580	1591	176.93	366.87	595.89	2187
1030.00	836.45	814.45	1581	1592	176.35	365.80	594.32	2187
1032.00	838.64	816.64	1583	1594	175.78	364.73	592.76	2188
1034.00	840.83	818.83	1584	1595	175.21	363.67	591.20	2187
1036.00	843.01	821.01	1585	1596	174.64	362.61	589.65	2187
1038.00	845.20	823.20	1586	1598	174.08	361.56	588.11	2187
1040.00	847.39	825.39	1587	1599	173.52	360.52	586.58	2188
1042.00	849.58	827.58	1588	1600	172.97	359.48	585.06	2187
1044.00	851.76	829.76	1590	1602	172.42	358.45	583.55	2187
1046.00	853.95	831.95	1591	1603	171.87	357.42	582.04	2187
1048.00	856.14	834.14	1592	1604	171.33	356.40	580.54	2187
1050.00	858.33	836.33	1593	1606	170.79	355.38	579.05	2188
1052.00	860.51	838.51	1594	1607	170.25	354.38	577.57	2187
1054.00	862.70	840.70	1595	1608	169.72	353.37	576.09	2187

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	864.89	842.89	1596	1610	169.19	352.37	574.62	2187
1058.00	867.08	845.08	1597	1611	168.66	351.38	573.16	2187
1060.00	869.26	847.26	1599	1612	168.14	350.40	571.71	2187
1062.00	871.45	849.45	1600	1614	167.62	349.42	570.26	2188
1064.00	873.64	851.64	1601	1615	167.10	348.44	568.83	2187
1066.00	875.83	853.83	1602	1616	166.58	347.47	567.40	2187
1068.00	878.01	856.01	1603	1617	166.07	346.50	565.97	2188
1070.00	880.20	858.20	1604	1619	165.56	345.55	564.56	2187
1072.00	882.39	860.39	1605	1620	165.06	344.59	563.15	2187
1074.00	884.58	862.58	1606	1621	164.56	343.64	561.75	2187
1076.00	886.76	864.76	1607	1622	164.06	342.70	560.35	2187
1078.00	888.95	866.95	1608	1624	163.56	341.76	558.96	2188
1080.00	891.14	869.14	1610	1625	163.07	340.83	557.58	2187
1082.00	893.33	871.33	1611	1626	162.58	339.90	556.21	2187
1084.00	895.51	873.51	1612	1627	162.09	338.97	554.84	2187
1086.00	897.70	875.70	1613	1628	161.61	338.05	553.48	2188
1088.00	899.89	877.89	1614	1630	161.13	337.14	552.13	2187
1090.00	902.08	880.08	1615	1631	160.65	336.23	550.78	2187
1092.00	904.26	882.26	1616	1632	160.17	335.33	549.44	2187
1094.00	906.45	884.45	1617	1633	159.70	334.43	548.11	2187
1096.00	908.64	886.64	1618	1634	159.23	333.53	546.78	2188
1098.00	910.83	888.83	1619	1636	158.76	332.64	545.46	2187
1100.00	913.01	891.01	1620	1637	158.29	331.76	544.15	2187
1102.00	915.20	893.20	1621	1638	157.83	330.88	542.84	2187

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	917.39	895.39	1622	1639	157.37	330.00	541.54	2187
1106.00	919.58	897.58	1623	1640	156.91	329.13	540.24	2187
1108.00	921.76	899.76	1624	1641	156.46	328.26	538.95	2188
1110.00	923.95	901.95	1625	1642	156.01	327.40	537.67	2187
1112.00	926.14	904.14	1626	1644	155.56	326.54	536.39	2187
1114.00	928.33	906.33	1627	1645	155.11	325.69	535.12	2188
1116.00	930.51	908.51	1628	1646	154.67	324.84	533.86	2187
1118.00	932.70	910.70	1629	1647	154.23	324.00	532.60	2187
1120.00	934.89	912.89	1630	1648	153.79	323.16	531.34	2187
1122.00	937.08	915.08	1631	1649	153.35	322.32	530.10	2187
1124.00	939.26	917.26	1632	1650	152.92	321.49	528.86	2188
1126.00	941.45	919.45	1633	1651	152.48	320.66	527.62	2187
1128.00	943.64	921.64	1634	1653	152.06	319.84	526.39	2187
1130.00	945.83	923.83	1635	1654	151.63	319.02	525.17	2187
1132.00	948.01	926.01	1636	1655	151.20	318.20	523.95	2187
1134.00	950.20	928.20	1637	1656	150.78	317.39	522.74	2188
1136.00	952.39	930.39	1638	1657	150.36	316.59	521.53	2187
1138.00	954.58	932.58	1639	1658	149.94	315.78	520.33	2187
1140.00	956.76	934.76	1640	1659	149.53	314.99	519.13	2187
1142.00	958.95	936.95	1641	1660	149.11	314.19	517.94	2188
1144.00	961.14	939.14	1642	1661	148.70	313.40	516.76	2187
1146.00	963.33	941.33	1643	1662	148.29	312.61	515.58	2187
1148.00	965.51	943.51	1644	1663	147.89	311.83	514.40	2187
1150.00	967.70	945.70	1645	1664	147.48	311.05	513.24	2187

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	969.89	947.89	1646	1665	147.08	310.27	512.07	2187
1154.00	972.08	950.08	1647	1667	146.68	309.50	510.91	2188
1156.00	974.26	952.26	1648	1668	146.28	308.74	509.76	2187
1158.00	976.45	954.45	1648	1669	145.89	307.97	508.61	2187
1160.00	978.64	956.64	1649	1670	145.49	307.21	507.47	2187
1162.00	980.83	958.83	1650	1671	145.10	306.45	506.33	2188
1164.00	983.01	961.01	1651	1672	144.71	305.70	505.20	2187
1166.00	985.20	963.20	1652	1673	144.33	304.95	504.07	2187
1168.00	987.39	965.39	1653	1674	143.94	304.21	502.95	2187
1170.00	989.58	967.58	1654	1675	143.56	303.46	501.83	2188
1172.00	991.76	969.76	1655	1676	143.18	302.72	500.72	2187
1174.00	993.95	971.95	1656	1677	142.80	301.99	499.61	2187
1176.00	996.14	974.14	1657	1678	142.42	301.26	498.51	2187
1178.00	998.33	976.33	1658	1679	142.04	300.53	497.41	2187
1180.00	1000.51	978.51	1658	1680	141.67	299.81	496.32	2188
1182.00	1002.70	980.70	1659	1681	141.30	299.08	495.23	2187
1184.00	1004.89	982.89	1660	1682	140.93	298.37	494.15	2187
1186.00	1007.08	985.08	1661	1683	140.56	297.65	493.07	2187
1188.00	1009.26	987.26	1662	1684	140.19	296.94	491.99	2188
1190.00	1011.45	989.45	1663	1685	139.83	296.23	490.92	2187
1192.00	1013.64	991.64	1664	1686	139.47	295.53	489.86	2187
1194.00	1015.83	993.83	1665	1687	139.11	294.83	488.80	2187
1196.00	1018.01	996.01	1666	1688	138.75	294.13	487.74	2187
1198.00	1020.20	998.20	1666	1689	138.39	293.43	486.69	2187

TWO-WAY TRAVEL TIME FROM SRD MS	MEASURED DEPTH FROM KB M	VERTICAL DEPTH FROM SRD M	AVERAGE VELOCITY SRD/GE0 M/S	RMS VELOCITY M/S	FIRST NORMAL MOVEOUT MS	SECOND NORMAL MOVEOUT MS	THIRD NORMAL MOVEOUT MS	INTERVAL VELOCITY M/S
1200.00	1022.39	1000.39	1667	1689	138.04	292.74	485.64	2188
1202.00	1024.58	1002.58	1668	1690	137.69	292.05	484.60	2187
1204.00	1026.76	1004.76	1669	1691	137.33	291.37	483.56	2187
1206.00	1028.95	1006.95	1670	1692	136.98	290.69	482.53	2187
1208.00	1031.14	1009.14	1671	1693	136.64	290.01	481.50	2188
1210.00	1033.33	1011.33	1672	1694	136.29	289.33	480.47	2187
1212.00	1035.51	1013.51	1672	1695	135.95	288.66	479.45	2187
1214.00	1037.70	1015.70	1673	1696	135.60	287.99	478.43	2187
1216.00	1039.89	1017.89	1674	1697	135.26	287.32	477.42	2188
1218.00	1042.08	1020.08	1675	1698	134.92	286.66	476.41	2187
1220.00	1044.26	1022.26	1676	1699	134.59	286.00	475.41	2295
1222.00	1046.56	1024.56	1677	1700	134.22	285.27	474.30	2915
1224.00	1049.47	1027.47	1679	1703	133.62	284.08	472.45	2915
1226.00	1052.39	1030.39	1681	1705	133.02	282.89	470.62	2915
1228.00	1055.31	1033.31	1683	1708	132.43	281.72	468.80	2915
1230.00	1058.22	1036.22	1685	1711	131.85	280.56	467.00	2915
1232.00	1061.14	1039.14	1687	1713	131.27	279.40	465.21	2915
1234.00	1064.05	1042.05	1689	1716	130.69	278.26	463.43	2915
1236.00	1066.97	1044.97	1691	1719	130.12	277.12	461.67	2915
1238.00	1069.88	1047.88	1693	1721	129.56	275.99	459.92	2915
1240.00	1072.80	1050.80	1695	1724	129.00	274.88	458.18	2915
1242.00	1075.71	1053.71	1697	1726	128.44	273.77	456.46	2915
1244.00	1078.63	1056.63	1699	1729	127.89	272.67	454.75	2915
1246.00	1081.54	1059.54	1701	1731	127.35	271.58	453.05	2915

TWO-WAY TRAVEL TIME FROM SRD MS	MEASURED DEPTH FROM KB M	VERTICAL DEPTH FROM SRD M	AVERAGE VELOCITY SRD/GEO M/S	RMS VELOCITY M/S	FIRST NORMAL MOVEOUT MS	SECOND NORMAL MOVEOUT MS	THIRD NORMAL MOVEOUT MS	INTERVAL VELOCITY M/S
1248.00	1084.46	1062.46	1703	1734	126.81	270.50	451.37	2915
1250.00	1087.37	1065.37	1705	1737	126.27	269.42	449.70	2915
1252.00	1090.29	1068.29	1707	1739	125.74	268.36	448.04	2915
1254.00	1093.20	1071.20	1708	1742	125.21	267.30	446.40	2915
1256.00	1096.12	1074.12	1710	1744	124.69	266.25	444.76	2915
1258.00	1099.03	1077.03	1712	1747	124.17	265.21	443.14	2915
1260.00	1101.95	1079.95	1714	1749	123.66	264.18	441.53	2915
1262.00	1104.86	1082.86	1716	1751	123.15	263.16	439.93	2915
1264.00	1107.78	1085.78	1718	1754	122.64	262.14	438.35	2915
1266.00	1110.69	1088.69	1720	1756	122.14	261.13	436.77	2915
1268.00	1113.61	1091.61	1722	1759	121.64	260.13	435.21	2915
1270.00	1116.52	1094.52	1724	1761	121.15	259.14	433.66	2915
1272.00	1119.44	1097.44	1726	1764	120.66	258.16	432.12	2915
1274.00	1122.36	1100.36	1727	1766	120.17	257.18	430.59	2915
1276.00	1125.27	1103.27	1729	1768	119.69	256.21	429.07	2915
1278.00	1128.19	1106.19	1731	1771	119.21	255.25	427.56	2915
1280.00	1131.10	1109.10	1733	1773	118.74	254.29	426.07	2915
1282.00	1134.02	1112.02	1735	1775	118.27	253.34	424.58	2915
1284.00	1136.93	1114.93	1737	1778	117.80	252.40	423.10	2915
1286.00	1139.85	1117.85	1738	1780	117.34	251.47	421.64	2915
1288.00	1142.76	1120.76	1740	1782	116.88	250.54	420.18	2915
1290.00	1145.68	1123.68	1742	1785	116.42	249.62	418.74	2915
1292.00	1148.59	1126.59	1744	1787	115.97	248.70	417.30	2915
1294.00	1151.51	1129.51	1746	1789	115.52	247.80	415.88	2915

TWO-WAY TRAVEL TIME FROM SRD MS	MEASURED DEPTH FROM KB M	VERTICAL DEPTH FROM SRD M	AVERAGE VELOCITY SRD/GEO M/S	RMS VELOCITY M/S	FIRST NORMAL MOVEOUT MS	SECOND NORMAL MOVEOUT MS	THIRD NORMAL MOVEOUT MS	INTERVAL VELOCITY M/S
1296.00	1154.42	1132.42	1748	1792	115.07	246.90	414.46	2915
1298.00	1157.34	1135.34	1749	1794	114.63	246.00	413.06	2915
1300.00	1160.25	1138.25	1751	1796	114.19	245.11	411.66	2915
1302.00	1163.17	1141.17	1753	1798	113.76	244.23	410.27	2915
1304.00	1166.08	1144.08	1755	1801	113.33	243.36	408.90	2915
1306.00	1169.00	1147.00	1757	1803	112.90	242.49	407.53	2915
1308.00	1171.91	1149.91	1758	1805	112.47	241.62	406.17	2915
1310.00	1174.83	1152.83	1760	1807	112.05	240.77	404.82	2915
1312.00	1177.74	1155.74	1762	1810	111.63	239.92	403.48	2915
1314.00	1180.66	1158.66	1764	1812	111.21	239.07	402.15	2915
1316.00	1183.58	1161.58	1765	1814	110.80	238.23	400.82	2915
1318.00	1186.49	1164.49	1767	1816	110.39	237.40	399.51	2915
1320.00	1189.41	1167.41	1769	1818	109.98	236.57	398.20	2915
1322.00	1192.32	1170.32	1771	1820	109.58	235.75	396.91	2915
1324.00	1195.24	1173.24	1772	1823	109.18	234.94	395.62	2915
1326.00	1198.15	1176.15	1774	1825	108.78	234.13	394.34	2915
1328.00	1201.07	1179.07	1776	1827	108.39	233.32	393.07	2915
1330.00	1203.98	1181.98	1777	1829	107.99	232.52	391.80	2915
1332.00	1206.90	1184.90	1779	1831	107.60	231.73	390.55	2915
1334.00	1209.81	1187.81	1781	1833	107.22	230.94	389.30	2915
1336.00	1212.73	1190.73	1783	1835	106.83	230.16	388.06	2915
1338.00	1215.64	1193.64	1784	1837	106.45	229.38	386.83	2915
1340.00	1218.56	1196.56	1786	1840	106.07	228.61	385.61	2915
1342.00	1221.47	1199.47	1788	1842	105.70	227.84	384.39	2915

TWO-WAY TRAVEL TIME FROM SRD MS	MEASURED DEPTH FROM KB M	VERTICAL DEPTH FROM SRD M	AVERAGE VELOCITY SRD/GEO M/S	RMS VELOCITY M/S	FIRST NORMAL MOVEOUT MS	SECOND NORMAL MOVEOUT MS	THIRD NORMAL MOVEOUT MS	INTERVAL VELOCITY M/S
1344.00	1224.39	1202.39	1789	1844	105.32	227.08	383.18	2915
1346.00	1227.30	1205.30	1791	1846	104.95	226.32	381.98	2915
1348.00	1230.22	1208.22	1793	1848	104.59	225.57	380.79	2915
1350.00	1233.13	1211.13	1794	1850	104.22	224.83	379.60	2915
1352.00	1236.05	1214.05	1796	1852	103.86	224.08	378.42	2915
1354.00	1238.96	1216.96	1798	1854	103.50	223.35	377.25	2915
1356.00	1241.88	1219.88	1799	1856	103.14	222.61	376.09	2915
1358.00	1244.80	1222.80	1801	1858	102.78	221.89	374.93	2915
1360.00	1247.71	1225.71	1803	1860	102.43	221.16	373.78	2915
1362.00	1250.63	1228.63	1804	1862	102.08	220.45	372.64	2915
1364.00	1253.54	1231.54	1806	1864	101.73	219.73	371.51	2915
1366.00	1256.46	1234.46	1807	1866	101.39	219.02	370.38	2915
1368.00	1259.37	1237.37	1809	1868	101.04	218.32	369.26	2915
1370.00	1262.29	1240.29	1811	1870	100.70	217.62	368.14	2915
1372.00	1265.20	1243.20	1812	1872	100.36	216.92	367.03	2915
1374.00	1268.12	1246.12	1814	1874	100.02	216.23	365.93	2915
1376.00	1271.03	1249.03	1815	1876	99.69	215.55	364.84	2915
1378.00	1273.95	1251.95	1817	1877	99.36	214.86	363.75	2915
1380.00	1276.86	1254.86	1819	1879	99.03	214.19	362.67	2915
1382.00	1279.78	1257.78	1820	1881	98.70	213.51	361.59	2915
1384.00	1282.69	1260.69	1822	1883	98.37	212.84	360.53	2915
1386.00	1285.61	1263.61	1823	1885	98.05	212.18	359.46	2915
1388.00	1288.52	1266.52	1825	1887	97.73	211.52	358.41	2915
1390.00	1291.44	1269.44	1827	1889	97.41	210.86	357.36	2915

TWO-WAY TRAVEL TIME FROM SRD MS	MEASURED DEPTH FROM KB M	VERTICAL DEPTH FROM SRD M	AVERAGE VELOCITY SRD/GEO M/S	RMS VELOCITY M/S	FIRST NORMAL MOVEOUT MS	SECOND NORMAL MOVEOUT MS	THIRD NORMAL MOVEOUT MS	INTERVAL VELOCITY M/S
1392.00	1294.35	1272.35	1828	1891	97.09	210.21	356.31	2915
1394.00	1297.27	1275.27	1830	1893	96.78	209.56	355.27	2915
1396.00	1300.18	1278.18	1831	1894	96.46	208.91	354.24	2915
1398.00	1303.10	1281.10	1833	1896	96.15	208.27	353.22	2915
1400.00	1306.01	1284.01	1834	1898	95.84	207.63	352.20	2915
1402.00	1308.93	1286.93	1836	1900	95.54	207.00	351.18	2915
1404.00	1311.85	1289.85	1837	1902	95.23	206.37	350.17	2915
1406.00	1314.76	1292.76	1839	1904	94.93	205.74	349.17	2915
1408.00	1317.68	1295.68	1840	1905	94.63	205.12	348.18	2915
1410.00	1320.59	1298.59	1842	1907	94.33	204.50	347.18	2915
1412.00	1323.51	1301.51	1843	1909	94.03	203.89	346.20	2915
1414.00	1326.42	1304.42	1845	1911	93.73	203.28	345.22	2915
1416.00	1329.34	1307.34	1847	1913	93.44	202.67	344.25	2915
1418.00	1332.25	1310.25	1848	1914	93.15	202.07	343.28	2915
1420.00	1335.17	1313.17	1850	1916	92.86	201.47	342.31	2915
1422.00	1338.08	1316.08	1851	1918	92.57	200.87	341.35	2915
1424.00	1341.00	1319.00	1853	1920	92.28	200.28	340.40	2915
1426.00	1343.91	1321.91	1854	1922	92.00	199.69	339.46	2915
1428.00	1346.83	1324.83	1856	1923	91.71	199.10	338.51	2915
1430.00	1349.74	1327.74	1857	1925	91.43	198.52	337.58	2915
1432.00	1352.66	1330.66	1858	1927	91.15	197.94	336.64	2915
1434.00	1355.57	1333.57	1860	1928	90.87	197.36	335.72	2915
1436.00	1358.49	1336.49	1861	1930	90.60	196.79	334.80	2915
1438.00	1361.40	1339.40	1863	1932	90.32	196.22	333.88	2915

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
1440.00	1364.32	1342.32	1864	1934	90.05	195.66	332.97	2915
1442.00	1367.23	1345.23	1866	1935	89.78	195.09	332.06	2915
1444.00	1370.15	1348.15	1867	1937	89.51	194.53	331.16	2915
1446.00	1373.07	1351.07	1869	1939	89.24	193.98	330.26	2915
1448.00	1375.98	1353.98	1870	1940	88.97	193.42	329.37	2915
1450.00	1378.90	1356.90	1872	1942	88.71	192.87	328.48	2915
1452.00	1381.81	1359.81	1873	1944	88.45	192.33	327.60	2915
1454.00	1384.73	1362.73	1874	1945	88.18	191.78	326.72	2915
1456.00	1387.64	1365.64	1876	1947	87.92	191.24	325.85	2915
1458.00	1390.56	1368.56	1877	1949	87.66	190.70	324.98	2915
1460.00	1393.47	1371.47	1879	1950	87.41	190.17	324.12	2915
1462.00	1396.39	1374.39	1880	1952	87.15	189.64	323.26	2915
1464.00	1399.30	1377.30	1882	1954	86.90	189.11	322.41	2915
1466.00	1402.22	1380.22	1883	1955	86.64	188.58	321.55	2915
1468.00	1405.13	1383.13	1884	1957	86.39	188.06	320.71	2915
1470.00	1408.05	1386.05	1886	1959	86.14	187.54	319.87	2915
1472.00	1410.96	1388.96	1887	1960	85.89	187.02	319.03	2915
1474.00	1413.88	1391.88	1889	1962	85.65	186.51	318.20	2915
1476.00	1416.79	1394.79	1890	1963	85.40	185.99	317.37	2915
1478.00	1419.71	1397.71	1891	1965	85.16	185.49	316.55	2915
1480.00	1422.62	1400.62	1893	1967	84.91	184.98	315.73	2915
1482.00	1425.54	1403.54	1894	1968	84.67	184.48	314.91	2915
1484.00	1428.45	1406.45	1895	1970	84.43	183.98	314.10	2915
1486.00	1431.37	1409.37	1897	1971	84.19	183.48	313.29	2915

TWO-WAY TRAVEL TIME FROM SRD MS	MEASURED DEPTH FROM KB M	VERTICAL DEPTH FROM SRD M	AVERAGE VELOCITY SRD/GEO M/S	RMS VELOCITY M/S	FIRST NORMAL MOVEOUT MS	SECOND NORMAL MOVEOUT MS	THIRD NORMAL MOVEOUT MS	INTERVAL VELOCITY M/S
1488.00	1434.29	1412.29	1898	1973	83.96	182.98	312.49	2915
1490.00	1437.20	1415.20	1900	1975	83.72	182.49	311.69	2915
1492.00	1440.12	1418.12	1901	1976	83.49	182.00	310.90	2915
1494.00	1443.03	1421.03	1902	1978	83.25	181.51	310.10	2915
1496.00	1445.95	1423.95	1904	1979	83.02	181.03	309.32	2915
1498.00	1448.86	1426.86	1905	1981	82.79	180.54	308.53	2915
1500.00	1451.78	1429.78	1906	1982	82.56	180.06	307.76	2915
1502.00	1454.69	1432.69	1908	1984	82.33	179.59	306.98	2915
1504.00	1457.61	1435.61	1909	1985	82.10	179.11	306.21	2915
1506.00	1460.52	1438.52	1910	1987	81.88	178.64	305.44	2915
1508.00	1463.44	1441.44	1912	1988	81.65	178.17	304.68	2915
1510.00	1466.35	1444.35	1913	1990	81.43	177.70	303.92	2915
1512.00	1469.27	1447.27	1914	1991	81.21	177.24	303.16	2915
1514.00	1472.18	1450.18	1916	1993	80.99	176.77	302.41	2915
1516.00	1475.10	1453.10	1917	1994	80.77	176.31	301.66	2915
1518.00	1478.01	1456.01	1918	1996	80.55	175.86	300.92	2915
1520.00	1480.93	1458.93	1920	1997	80.33	175.40	300.18	2915
1522.00	1483.84	1461.84	1921	1999	80.11	174.95	299.44	2915
1524.00	1486.76	1464.76	1922	2000	79.90	174.50	298.70	2915
1526.00	1489.67	1467.67	1924	2002	79.69	174.05	297.97	2915
1528.00	1492.62	1470.62	1925	2003	79.47	173.59	297.23	2942
1530.00	1495.63	1473.63	1926	2005	79.24	173.12	296.46	3008
1532.00	1498.66	1476.66	1928	2007	79.02	172.64	295.68	3035
1534.00	1501.64	1479.64	1929	2008	78.80	172.18	294.93	2975

TWO-WAY TRAVEL TIME FROM SRD MS	MEASURED DEPTH FROM KB M	VERTICAL DEPTH FROM SRD M	AVERAGE VELOCITY SRD/GEO M/S	RMS VELOCITY M/S	FIRST NORMAL MOVEOUT MS	SECOND NORMAL MOVEOUT MS	THIRD NORMAL MOVEOUT MS	INTERVAL VELOCITY M/S
1536.00	1504.58	1482.58	1930	2010	78.58	171.74	294.20	2944
1538.00	1507.45	1485.45	1932	2011	78.38	171.32	293.52	2870
1540.00	1510.33	1488.33	1933	2012	78.18	170.90	292.83	2876
1542.00	1513.24	1491.24	1934	2014	77.98	170.47	292.13	2914
1544.00	1516.14	1494.14	1935	2015	77.78	170.04	291.44	2900
1546.00	1519.01	1497.01	1937	2017	77.58	169.63	290.77	2866
1548.00	1521.89	1499.89	1938	2018	77.38	169.22	290.09	2879
1550.00	1524.73	1502.73	1939	2019	77.19	168.82	289.44	2846
1552.00	1527.75	1505.75	1940	2021	76.98	168.37	288.70	3019
1554.00	1530.75	1508.75	1942	2022	76.77	167.92	287.97	3004
1556.00	1533.69	1511.69	1943	2024	76.57	167.50	287.28	2938
1558.00	1536.65	1514.65	1944	2025	76.36	167.07	286.59	2955
1560.00	1539.61	1517.61	1946	2027	76.16	166.65	285.89	2964
1562.00	1542.56	1520.56	1947	2028	75.96	166.23	285.20	2950
1564.00	1545.53	1523.53	1948	2030	75.76	165.81	284.51	2970
1566.00	1548.62	1526.61	1950	2031	75.55	165.35	283.77	3084
1568.00	1551.71	1529.71	1951	2033	75.33	164.90	283.02	3096
1570.00	1554.75	1532.75	1953	2035	75.12	164.46	282.30	3037
1572.00	1557.85	1535.85	1954	2036	74.91	164.01	281.56	3100
1574.00	1561.05	1539.05	1956	2038	74.68	163.53	280.78	3197
1576.00	1564.24	1542.24	1957	2040	74.46	163.05	279.99	3197
1578.00	1567.34	1545.34	1959	2042	74.25	162.61	279.26	3099
1580.00	1570.56	1548.56	1960	2044	74.02	162.13	278.48	3217
1582.00	1573.76	1551.76	1962	2046	73.80	161.66	277.71	3201

TWO-WAY TRAVEL TIME FROM SRD MS	MEASURED DEPTH FROM KB M	VERTICAL DEPTH FROM SRD M	AVERAGE VELOCITY SRD/Geo M/S	RMS VELOCITY M/S	FIRST NORMAL MOVEOUT MS	SECOND NORMAL MOVEOUT MS	THIRD NORMAL MOVEOUT MS	INTERVAL VELOCITY M/S
1584.00	1577.01	1555.01	1963	2048	73.57	161.18	276.92	3247
1586.00	1580.29	1558.29	1965	2050	73.34	160.69	276.12	3284
1588.00	1583.49	1561.49	1967	2052	73.12	160.23	275.36	3205
1590.00	1586.68	1564.68	1968	2053	72.91	159.78	274.61	3187
1592.00	1589.90	1567.90	1970	2055	72.69	159.32	273.85	3220
1594.00	1593.27	1571.27	1971	2057	72.45	158.82	273.02	3363
1596.00	1596.68	1574.68	1973	2060	72.21	158.30	272.17	3418
1598.00	1600.09	1578.09	1975	2062	71.97	157.79	271.34	3407
1600.00	1603.46	1581.46	1977	2064	71.74	157.30	270.52	3374
1602.00	1606.82	1584.82	1979	2066	71.51	156.81	269.72	3358
1604.00	1610.17	1588.17	1980	2068	71.28	156.33	268.93	3345
1606.00	1613.50	1591.50	1982	2070	71.06	155.86	268.14	3339
1608.00	1616.85	1594.85	1984	2072	70.84	155.38	267.36	3347
1610.00	1620.22	1598.22	1985	2075	70.61	154.91	266.57	3366
1612.00	1623.56	1601.56	1987	2077	70.39	154.44	265.79	3346
1614.00	1626.93	1604.93	1989	2079	70.17	153.97	265.01	3366
1616.00	1630.28	1608.28	1990	2081	69.95	153.50	264.25	3354
1618.00	1633.67	1611.67	1992	2083	69.73	153.03	263.47	3386
1620.00	1637.07	1615.07	1994	2085	69.50	152.55	262.68	3403
1622.00	1640.43	1618.43	1996	2087	69.29	152.10	261.92	3359
1624.00	1643.81	1621.81	1997	2089	69.07	151.64	261.16	3378
1626.00	1647.16	1625.16	1999	2091	68.86	151.19	260.42	3347
1628.00	1650.50	1628.50	2001	2093	68.65	150.74	259.68	3339
1630.00	1653.99	1631.99	2002	2095	68.42	150.26	258.88	3497

TWO-WAY TRAVEL TIME FROM SRD MS	MEASURED DEPTH FROM KB M	VERTICAL DEPTH FROM SRD M	AVERAGE VELOCITY SRD/GEO M/S	RMS VELOCITY M/S	FIRST NORMAL MOVEOUT MS	SECOND NORMAL MOVEOUT MS	THIRD NORMAL MOVEOUT MS	INTERVAL VELOCITY M/S
1632.00	1657.33	1635.33	2004	2097	68.22	149.82	258.15	3342
1634.00	1660.66	1638.66	2006	2099	68.01	149.38	257.43	3329
1636.00	1664.28	1642.28	2008	2102	67.77	148.87	256.58	3614
1638.00	1667.75	1645.75	2009	2104	67.55	148.40	255.81	3476
1640.00	1671.09	1649.09	2011	2106	67.35	147.98	255.10	3335
1642.00	1674.48	1652.48	2013	2108	67.14	147.54	254.37	3392
1644.00	1677.90	1655.90	2014	2110	66.94	147.09	253.63	3422
1646.00	1681.30	1659.30	2016	2112	66.73	146.66	252.91	3394
1648.00	1684.71	1662.71	2018	2114	66.53	146.22	252.18	3411
1650.00	1688.09	1666.09	2020	2116	66.33	145.79	251.47	3382
1652.00	1691.61	1669.61	2021	2119	66.11	145.33	250.71	3521
1654.00	1695.30	1673.30	2023	2121	65.87	144.83	249.87	3686
1656.00	1698.73	1676.73	2025	2123	65.67	144.40	249.15	3437
1658.00	1702.10	1680.10	2027	2125	65.48	143.98	248.47	3364
1660.00	1705.42	1683.42	2028	2127	65.29	143.58	247.80	3325
1662.00	1708.71	1686.71	2030	2129	65.11	143.20	247.16	3285
1664.00	1711.98	1689.98	2031	2131	64.93	142.81	246.52	3273
1666.00	1715.11	1693.11	2033	2132	64.77	142.47	245.95	3125
1668.00	1718.33	1696.33	2034	2134	64.59	142.10	245.34	3221
1670.00	1721.56	1699.56	2035	2135	64.42	141.73	244.72	3236
1672.00	1724.70	1702.70	2037	2137	64.26	141.38	244.15	3135
1674.00	1727.87	1705.87	2038	2138	64.10	141.04	243.57	3166
1676.00	1731.08	1709.08	2039	2140	63.93	140.68	242.98	3213
1678.00	1734.30	1712.30	2041	2142	63.76	140.32	242.38	3223

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1680.00	1737.54	1715.54	2042	2143	63.59	139.96	241.78	3237
1682.00	1740.82	1718.82	2044	2145	63.42	139.59	241.17	3284
1684.00	1744.14	1722.14	2045	2147	63.24	139.22	240.54	3319
1686.00	1747.53	1725.53	2047	2149	63.06	138.83	239.90	3387
1688.00	1750.91	1728.91	2048	2150	62.88	138.44	239.26	3378
1690.00	1754.56	1732.56	2050	2153	62.67	137.99	238.51	3658
1692.00	1758.41	1736.41	2052	2156	62.44	137.50	237.68	3849
1694.00	1761.73	1739.73	2054	2157	62.27	137.14	237.08	3314
1696.00	1764.79	1742.79	2055	2159	62.13	136.83	236.57	3063
1698.00	1767.84	1745.84	2056	2160	61.99	136.53	236.06	3047
1700.00	1770.84	1748.84	2057	2161	61.85	136.23	235.58	3003
1702.00	1773.83	1751.83	2059	2162	61.71	135.95	235.10	2988
1704.00	1776.82	1754.82	2060	2163	61.58	135.66	234.62	2990
1706.00	1779.75	1757.75	2061	2164	61.45	135.38	234.16	2929
1708.00	1782.67	1760.67	2062	2166	61.32	135.11	233.71	2920
1710.00	1785.58	1763.58	2063	2167	61.20	134.84	233.26	2916
1712.00	1788.72	1766.72	2064	2168	61.05	134.53	232.74	3137
1714.00	1792.12	1770.12	2065	2170	60.88	134.16	232.13	3404
1716.00	1795.45	1773.45	2067	2172	60.72	133.81	231.54	3329
1718.00	1798.71	1776.71	2068	2173	60.56	133.48	230.99	3255
1720.00	1801.99	1779.99	2070	2175	60.41	133.15	230.43	3287
1722.00	1805.34	1783.34	2071	2176	60.24	132.80	229.85	3350
1724.00	1808.77	1786.77	2073	2178	60.07	132.44	229.24	3429
1726.00	1811.90	1789.90	2074	2180	59.93	132.14	228.74	3127

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								3094
1728.00	1814.99	1792.99	2075	2181	59.80	131.85	228.26	3039
1730.00	1818.03	1796.03	2076	2182	59.67	131.57	227.79	2988
1732.00	1821.02	1799.02	2077	2183	59.54	131.30	227.34	2965
1734.00	1823.99	1801.99	2078	2184	59.42	131.03	226.90	2945
1736.00	1826.93	1804.93	2079	2185	59.30	130.77	226.47	3014
1738.00	1829.95	1807.95	2080	2186	59.17	130.50	226.02	3065
1740.00	1833.01	1811.01	2082	2188	59.04	130.22	225.55	3014
1742.00	1836.02	1814.02	2083	2189	58.92	129.96	225.10	3162
1744.00	1839.19	1817.19	2084	2190	58.78	129.66	224.61	3197
1746.00	1842.38	1820.38	2085	2192	58.64	129.36	224.11	3199
1748.00	1845.58	1823.58	2086	2193	58.50	129.06	223.61	3252
1750.00	1848.83	1826.83	2088	2194	58.36	128.75	223.10	3299
1752.00	1852.13	1830.13	2089	2196	58.21	128.44	222.57	3463
1754.00	1855.60	1833.60	2091	2198	58.05	128.09	221.99	3506
1756.00	1859.10	1837.10	2092	2200	57.88	127.74	221.39	3460
1758.00	1862.56	1840.56	2094	2202	57.72	127.40	220.82	3507
1760.00	1866.07	1844.07	2096	2204	57.56	127.05	220.24	3553
1762.00	1869.62	1847.62	2097	2206	57.40	126.69	219.64	3575
1764.00	1873.20	1851.20	2099	2208	57.23	126.33	219.03	3623
1766.00	1876.82	1854.82	2101	2210	57.06	125.96	218.42	3645
1768.00	1880.46	1858.46	2102	2212	56.89	125.60	217.80	3627
1770.00	1884.09	1862.09	2104	2214	56.72	125.23	217.19	3636
1772.00	1887.73	1865.73	2106	2216	56.55	124.87	216.57	3593
1774.00	1891.32	1869.32	2107	2218	56.39	124.52	215.98	

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1776.00	1894.90	1872.90	2109	2220	56.22	124.17	215.40	3584
1778.00	1898.47	1876.47	2111	2222	56.07	123.82	214.82	3561
1780.00	1901.95	1879.95	2112	2224	55.91	123.50	214.27	3485
1782.00	1905.43	1883.43	2114	2226	55.76	123.17	213.73	3480
1784.00	1908.97	1886.97	2115	2228	55.61	122.84	213.17	3534
1786.00	1912.55	1890.55	2117	2230	55.45	122.50	212.60	3584
1788.00	1916.19	1894.19	2119	2232	55.29	122.15	212.01	3644
1790.00	1919.71	1897.71	2120	2234	55.14	121.83	211.47	3514
1792.00	1923.24	1901.24	2122	2235	54.99	121.51	210.92	3530
1794.00	1927.11	1905.11	2124	2238	54.81	121.12	210.27	3876
1796.00	1930.95	1908.95	2126	2240	54.63	120.74	209.63	3836
1798.00	1934.57	1912.57	2127	2242	54.48	120.40	209.06	3623
1800.00	1938.26	1916.26	2129	2245	54.32	120.06	208.48	3687
1802.00	1941.95	1919.95	2131	2247	54.16	119.71	207.90	3696
1804.00	1945.62	1923.62	2133	2249	54.00	119.38	207.33	3664
1806.00	1949.32	1927.32	2134	2251	53.84	119.03	206.76	3700
1808.00	1953.12	1931.12	2136	2253	53.68	118.67	206.15	3804
1810.00	1956.83	1934.83	2138	2255	53.52	118.34	205.58	3704
1812.00	1960.41	1938.41	2140	2257	53.38	118.02	205.05	3583
1814.00	1963.96	1941.96	2141	2259	53.23	117.71	204.53	3556
1816.00	1967.56	1945.56	2143	2261	53.09	117.40	204.00	3591
1818.00	1971.44	1949.44	2145	2263	52.92	117.03	203.38	3884
1820.00	1975.31	1953.31	2146	2266	52.75	116.67	202.77	3873
1822.00	1979.23	1957.23	2148	2268	52.58	116.31	202.15	3917

COMPANY : ESSO AUSTRALIA LTD

WELL : WHALESHARK #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
								3890
1824.00	1983.12	1961.12	2150	2271	52.42	115.95	201.55	3968
1826.00	1987.09	1965.09	2152	2273	52.25	115.58	200.92	3938
1828.00	1991.03	1969.03	2154	2276	52.08	115.21	200.30	3708
1830.00	1994.73	1972.73	2156	2278	51.93	114.89	199.76	3685
1832.00	1998.42	1976.42	2158	2280	51.78	114.58	199.23	3664
1834.00	2002.08	1980.08	2159	2282	51.64	114.27	198.71	3663
1836.00	2005.75	1983.75	2161	2284	51.50	113.96	198.19	3752
1838.00	2009.50	1987.50	2163	2286	51.35	113.64	197.65	3728
1840.00	2013.23	1991.23	2164	2288	51.21	113.33	197.11	3668
1842.00	2016.89	1994.89	2166	2290	51.07	113.02	196.60	3638
1844.00	2020.53	1998.53	2168	2292	50.93	112.73	196.10	3691
1846.00	2024.22	2002.22	2169	2294	50.79	112.42	195.59	3683
1848.00	2027.91	2005.91	2171	2296	50.65	112.12	195.08	3750
1850.00	2031.66	2009.66	2173	2298	50.51	111.81	194.55	3897
1852.00	2035.55	2013.55	2174	2300	50.35	111.48	193.99	3827
1854.00	2039.38	2017.38	2176	2302	50.20	111.16	193.45	3764
1856.00	2043.14	2021.14	2178	2304	50.06	110.85	192.93	3814
1858.00	2046.96	2024.96	2180	2306	49.92	110.54	192.39	3852
1860.00	2050.81	2028.81	2182	2309	49.77	110.22	191.86	3889
1862.00	2054.70	2032.70	2183	2311	49.62	109.90	191.31	4014
1864.00	2058.71	2036.71	2185	2313	49.47	109.55	190.73	3829
1866.00	2062.54	2040.54	2187	2316	49.32	109.25	190.21	3888
1868.00	2066.43	2044.43	2189	2318	49.18	108.93	189.67	3854
1870.00	2070.28	2048.28	2191	2320	49.03	108.62	189.14	

TWO-WAY TRAVEL TIME FROM SRD MS	MEASURED DEPTH FROM KB M	VERTICAL DEPTH FROM SRD M	AVERAGE VELOCITY SRD/GEO M/S	RMS VELOCITY M/S	FIRST NORMAL MOVEOUT MS	SECOND NORMAL MOVEOUT MS	THIRD NORMAL MOVEOUT MS	INTERVAL VELOCITY M/S
1872.00	2074.20	2052.20	2193	2322	48.89	108.30	188.61	3914
1874.00	2078.06	2056.06	2194	2324	48.75	108.00	188.08	3860
1876.00	2081.96	2059.96	2196	2327	48.60	107.68	187.55	3904
1878.00	2085.92	2063.92	2198	2329	48.46	107.36	187.01	3958
1880.00	2089.75	2067.75	2200	2331	48.32	107.07	186.51	3836
1882.00	2093.54	2071.54	2201	2333	48.19	106.78	186.02	3782
1884.00	2097.52	2075.52	2203	2336	48.04	106.46	185.48	3986
1886.00	2101.54	2079.53	2205	2338	47.89	106.14	184.93	4013
1888.00	2105.56	2083.56	2207	2340	47.74	105.82	184.39	4024
1890.00	2109.64	2087.64	2209	2343	47.59	105.49	183.83	4085
1892.00	2113.76	2091.76	2211	2346	47.44	105.16	183.27	4114
1894.00	2117.85	2095.85	2213	2348	47.29	104.83	182.71	4094
1896.00	2121.68	2099.68	2215	2350	47.16	104.55	182.23	3827
1898.00	2125.60	2103.60	2217	2352	47.03	104.25	181.73	3921
1900.00	2129.41	2107.41	2218	2354	46.90	103.98	181.26	3810
1902.00	2133.35	2111.35	2220	2357	46.76	103.68	180.76	3937
1904.00	2137.34	2115.34	2222	2359	46.62	103.38	180.25	3995
1906.00	2141.46	2119.46	2224	2361	46.48	103.06	179.70	4121
1908.00	2145.38	2123.38	2226	2364	46.35	102.78	179.22	3920
1910.00	2149.11	2127.11	2227	2365	46.23	102.52	178.78	3727
1912.00	2152.85	2130.85	2229	2367	46.11	102.26	178.34	3738
1914.00	2156.62	2134.62	2231	2369	45.99	102.00	177.90	3771
1916.00	2160.38	2138.38	2232	2371	45.87	101.74	177.46	3762
1918.00	2164.10	2142.09	2234	2373	45.75	101.49	177.03	3714

TWO-WAY TRAVEL TIME FROM SRD MS	MEASURED DEPTH FROM KB M	VERTICAL DEPTH FROM SRD M	AVERAGE VELOCITY SRD/GEO M/S	RMS VELOCITY M/S	FIRST NORMAL MOVEOUT MS	SECOND NORMAL MOVEOUT MS	THIRD NORMAL MOVEOUT MS	INTERVAL VELOCITY M/S
1920.00	2167.85	2145.85	2235	2375	45.64	101.24	176.60	3753
1922.00	2171.76	2149.76	2237	2377	45.51	100.96	176.13	3914
1924.00	2175.77	2153.77	2239	2379	45.38	100.67	175.64	4010
1926.00	2179.59	2157.59	2240	2381	45.26	100.41	175.19	3823
1928.00	2183.37	2161.37	2242	2383	45.14	100.16	174.77	3771
1930.00	2187.35	2165.35	2244	2385	45.01	99.88	174.29	3983
1932.00	2191.24	2169.24	2246	2387	44.89	99.61	173.84	3888
1934.00	2195.25	2173.25	2247	2389	44.76	99.33	173.36	4011
1936.00	2199.31	2177.31	2249	2392	44.63	99.05	172.87	4058
1938.00	2203.39	2181.39	2251	2394	44.50	98.76	172.38	4081
1940.00	2207.49	2185.49	2253	2397	44.37	98.47	171.89	4107
1942.00	2211.63	2189.63	2255	2399	44.23	98.18	171.39	4137
1944.00	2215.37	2193.37	2257	2401	44.13	97.94	170.99	3739
1946.00	2219.12	2197.12	2258	2402	44.02	97.71	170.58	3745
1948.00	2222.82	2200.82	2260	2404	43.91	97.48	170.19	3709
1950.00	2226.55	2204.54	2261	2406	43.81	97.24	169.80	3721
1952.00	2230.08	2208.08	2262	2407	43.71	97.04	169.44	3533
1954.00	2233.54	2211.54	2264	2409	43.62	96.84	169.11	3460
1956.00	2237.13	2215.13	2265	2410	43.52	96.63	168.75	3591
1958.00	2240.72	2218.72	2266	2412	43.43	96.42	168.39	3591
1960.00	2244.29	2222.29	2268	2413	43.33	96.21	168.03	3565
1962.00	2247.96	2225.96	2269	2415	43.23	95.99	167.66	3677
1964.00	2251.69	2229.69	2271	2416	43.13	95.76	167.27	3724
1966.00	2255.55	2233.55	2272	2418	43.02	95.52	166.86	3860

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
1968.00	2259.48	2237.48	2274	2420	42.90	95.28	166.44	3937
1970.00	2263.39	2241.39	2276	2422	42.79	95.03	166.02	3909
1972.00	2267.34	2245.34	2277	2424	42.68	94.78	165.60	3951
1974.00	2271.29	2249.29	2279	2426	42.56	94.54	165.18	3945
1976.00	2275.28	2253.28	2281	2428	42.45	94.29	164.75	3994
1978.00	2279.36	2257.36	2282	2431	42.33	94.03	164.31	4076
1980.00	2283.53	2261.53	2284	2433	42.21	93.76	163.84	4174
1982.00	2287.60	2265.60	2286	2435	42.09	93.50	163.41	4069
1984.00	2291.16	2269.16	2287	2437	42.00	93.31	163.08	4069
1986.00	2294.81	2272.81	2289	2438	41.91	93.10	162.73	3650
1988.00	2298.41	2276.41	2290	2440	41.82	92.90	162.39	3599
1990.00	2301.88	2279.88	2291	2441	41.73	92.72	162.08	3473
1992.00	2305.53	2283.53	2293	2442	41.64	92.52	161.74	3646
1994.00	2308.92	2286.92	2294	2444	41.56	92.35	161.44	3389
1996.00	2312.10	2290.10	2295	2444	41.49	92.20	161.18	3186
1998.00	2315.61	2293.61	2296	2446	41.41	92.01	160.87	3512
2000.00	2319.24	2297.24	2297	2447	41.32	91.82	160.54	3627
2002.00	2322.73	2300.73	2298	2448	41.23	91.64	160.23	3489
2004.00	2326.32	2304.32	2300	2450	41.15	91.45	159.90	3592
2006.00	2329.64	2307.64	2301	2451	41.07	91.28	159.63	3321
2008.00	2333.24	2311.24	2302	2452	40.99	91.10	159.30	3596
2010.00	2336.93	2314.93	2303	2454	40.90	90.90	158.96	3695
2012.00	2340.46	2318.46	2305	2455	40.81	90.72	158.65	3529
2014.00	2343.77	2321.77	2306	2456	40.74	90.56	158.38	3305

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
								3480
2016.00	2347.25	2325.25	2307	2457	40.66	90.38	158.09	3758
2018.00	2351.01	2329.01	2308	2459	40.57	90.18	157.74	3749
2020.00	2354.76	2332.76	2310	2461	40.48	89.98	157.40	3725
2022.00	2358.48	2336.48	2311	2462	40.39	89.78	157.06	3637
2024.00	2362.12	2340.12	2312	2464	40.30	89.60	156.74	3747
2026.00	2365.87	2343.87	2314	2465	40.21	89.40	156.40	3747
2028.00	2369.61	2347.61	2315	2467	40.12	89.20	156.06	3704
2030.00	2373.32	2351.32	2317	2468	40.03	89.01	155.73	3509
2032.00	2376.83	2354.83	2318	2470	39.95	88.84	155.44	3292
2034.00	2380.12	2358.12	2319	2471	39.88	88.69	155.18	3600
2036.00	2383.72	2361.72	2320	2472	39.80	88.51	154.88	3804
2038.00	2387.52	2365.52	2321	2474	39.71	88.31	154.53	3854
2040.00	2391.38	2369.38	2323	2475	39.62	88.10	154.19	3824
2042.00	2395.20	2373.20	2324	2477	39.53	87.90	153.84	3880
2044.00	2399.08	2377.08	2326	2479	39.43	87.70	153.49	3706
2046.00	2402.79	2380.79	2327	2480	39.35	87.51	153.17	3818
2048.00	2406.60	2384.60	2329	2482	39.26	87.32	152.84	3802
2050.00	2410.41	2388.41	2330	2483	39.17	87.12	152.51	3705
2052.00	2414.11	2392.11	2331	2485	39.09	86.94	152.19	3985
2054.00	2418.10	2396.10	2333	2487	38.99	86.73	151.83	3672
2056.00	2421.77	2399.77	2334	2488	38.91	86.55	151.52	3736
2058.00	2425.51	2403.50	2336	2490	38.82	86.37	151.21	3893
2060.00	2429.40	2407.40	2337	2492	38.73	86.17	150.87	3766
2062.00	2433.16	2411.16	2339	2493	38.65	85.98	150.55	

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
2064.00	2436.99	2414.99	2340	2495	38.56	85.79	150.22	3831
2066.00	2440.79	2418.79	2342	2496	38.48	85.61	149.90	3790
2068.00	2444.97	2422.97	2343	2499	38.37	85.38	149.52	4187
2070.00	2449.25	2427.25	2345	2501	38.27	85.15	149.11	4275
2072.00	2453.03	2431.03	2347	2502	38.18	84.96	148.80	3779
2074.00	2456.97	2434.97	2348	2504	38.09	84.77	148.46	3947
2076.00	2460.80	2438.80	2350	2506	38.01	84.58	148.14	3832
2078.00	2464.77	2442.77	2351	2508	37.92	84.38	147.80	3963
2080.00	2469.04	2447.04	2353	2510	37.81	84.15	147.41	4270
2082.00	2473.06	2451.06	2355	2512	37.72	83.95	147.06	4019
2084.00	2477.02	2455.02	2356	2514	37.63	83.76	146.73	3966
2086.00	2481.04	2459.04	2358	2515	37.54	83.56	146.39	4014
2088.00	2485.03	2463.03	2359	2517	37.45	83.36	146.05	3996
2090.00	2489.04	2467.04	2361	2519	37.36	83.16	145.71	4011
2092.00	2493.03	2471.03	2362	2521	37.28	82.97	145.38	3984
2094.00	2496.89	2474.89	2364	2523	37.19	82.79	145.07	3859
2096.00	2500.85	2478.85	2365	2524	37.11	82.60	144.74	3966
2098.00	2504.81	2482.81	2367	2526	37.02	82.41	144.42	3960
2100.00	2508.53	2486.53	2368	2528	36.95	82.25	144.14	3720
2102.00	2512.30	2490.30	2369	2529	36.87	82.08	143.85	3766
2104.00	2516.11	2494.11	2371	2531	36.79	81.91	143.55	3813
2106.00	2519.98	2497.98	2372	2532	36.71	81.73	143.25	3867
2108.00	2523.89	2501.89	2374	2534	36.63	81.55	142.94	3915
2110.00	2527.84	2505.84	2375	2535	36.54	81.37	142.62	3952

TWO-WAY TRAVEL TIME FROM SRD MS	MEASURED DEPTH FROM KB M	VERTICAL DEPTH FROM SRD M	AVERAGE VELOCITY SRD/GEO M/S	RMS VELOCITY M/S	FIRST NORMAL MOVEOUT MS	SECOND NORMAL MOVEOUT MS	THIRD NORMAL MOVEOUT MS	INTERVAL VELOCITY M/S
2112.00	2531.84	2509.84	2377	2537	36.46	81.18	142.30	3998
2114.00	2535.90	2513.90	2378	2539	36.37	80.99	141.97	4057
2116.00	2539.95	2517.95	2380	2541	36.29	80.80	141.65	4053
2118.00	2544.04	2522.04	2382	2543	36.20	80.61	141.31	4094
2120.00	2548.15	2526.15	2383	2545	36.11	80.41	140.98	4106
2122.00	2552.24	2530.24	2385	2547	36.02	80.22	140.66	4085
2124.00	2556.38	2534.38	2386	2549	35.93	80.03	140.32	4145
2126.00	2560.46	2538.46	2388	2551	35.85	79.84	140.00	4079
2128.00	2564.49	2542.49	2390	2552	35.77	79.66	139.68	4028
2130.00	2568.54	2546.54	2391	2554	35.68	79.48	139.37	4056
2132.00	2572.62	2550.62	2393	2556	35.60	79.29	139.05	4075
2134.00	2576.72	2554.72	2394	2558	35.51	79.10	138.73	4105
2136.00	2580.80	2558.80	2396	2560	35.43	78.92	138.41	4072
2138.00	2584.87	2562.87	2397	2562	35.35	78.74	138.10	4073
2140.00	2589.00	2567.00	2399	2564	35.26	78.55	137.78	4136
2142.00	2593.02	2571.02	2401	2565	35.18	78.38	137.48	4011
2144.00	2597.13	2575.13	2402	2567	35.10	78.19	137.16	4117
2146.00	2601.25	2579.25	2404	2569	35.02	78.01	136.84	4120
2148.00	2605.38	2583.38	2405	2571	34.93	77.83	136.53	4128
2150.00	2609.50	2587.50	2407	2573	34.85	77.65	136.22	4115
2152.00	2613.22	2591.22	2408	2574	34.78	77.50	135.96	3728
2154.00	2616.33	2594.33	2409	2575	34.74	77.40	135.79	3111
2156.00	2619.58	2597.58	2410	2575	34.69	77.29	135.60	3245
2158.00	2622.83	2600.83	2410	2576	34.64	77.18	135.41	3247

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
2160.00	2625.82	2603.82	2411	2576	34.59	77.08	135.25	2988
2162.00	2628.86	2606.86	2412	2577	34.55	76.99	135.08	3043
2164.00	2631.92	2609.92	2412	2577	34.51	76.89	134.92	3065
2166.00	2634.80	2612.79	2413	2578	34.47	76.80	134.77	2871
2168.00	2637.69	2615.69	2413	2578	34.43	76.72	134.62	2893
2170.00	2640.59	2618.59	2413	2578	34.39	76.63	134.47	2902
2172.00	2643.63	2621.63	2414	2579	34.34	76.54	134.31	3044
2174.00	2646.75	2624.75	2415	2579	34.30	76.44	134.14	3113
2176.00	2649.71	2627.71	2415	2580	34.26	76.35	133.98	2965
2178.00	2652.76	2630.76	2416	2580	34.21	76.25	133.82	3052
2180.00	2655.69	2633.69	2416	2581	34.17	76.16	133.67	2930
2182.00	2658.69	2636.69	2417	2581	34.13	76.07	133.51	2997
2184.00	2661.81	2639.81	2417	2582	34.09	75.97	133.34	3121
2186.00	2664.87	2642.87	2418	2582	34.04	75.88	133.18	3058
2188.00	2667.73	2645.73	2418	2582	34.01	75.80	133.04	2857
2190.00	2670.63	2648.63	2419	2583	33.97	75.71	132.89	2901
2192.00	2673.43	2651.43	2419	2583	33.93	75.63	132.76	2804
2194.00	2676.32	2654.32	2420	2583	33.89	75.55	132.61	2894
2196.00	2679.29	2657.29	2420	2583	33.85	75.46	132.46	2968
2198.00	2682.18	2660.18	2421	2584	33.82	75.38	132.32	2885
2200.00	2685.13	2663.13	2421	2584	33.78	75.29	132.17	2949
2202.00	2688.05	2666.05	2421	2584	33.74	75.21	132.02	2924
2204.00	2691.11	2669.11	2422	2585	33.69	75.11	131.86	3057
2206.00	2694.32	2672.32	2423	2586	33.65	75.01	131.69	3215

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
								2912
2208.00	2697.24	2675.24	2423	2586	33.61	74.93	131.54	2837
2210.00	2700.07	2678.07	2424	2586	33.57	74.85	131.41	3216
2212.00	2703.29	2681.29	2424	2587	33.53	74.75	131.23	3021
2214.00	2706.31	2684.31	2425	2587	33.49	74.66	131.08	3010
2216.00	2709.32	2687.32	2425	2588	33.45	74.57	130.93	3102
2218.00	2712.42	2690.42	2426	2588	33.40	74.47	130.77	3058
2220.00	2715.48	2693.48	2427	2589	33.36	74.38	130.61	3287
2222.00	2718.77	2696.77	2427	2589	33.31	74.28	130.43	3406
2224.00	2722.17	2700.17	2428	2590	33.26	74.17	130.23	3227
2226.00	2725.40	2703.40	2429	2591	33.22	74.06	130.06	3305
2228.00	2728.71	2706.71	2430	2591	33.17	73.96	129.88	3258
2230.00	2731.96	2709.96	2430	2592	33.12	73.86	129.70	3309
2232.00	2735.27	2713.27	2431	2593	33.08	73.75	129.52	3210
2234.00	2738.48	2716.48	2432	2594	33.03	73.65	129.35	3252
2236.00	2741.73	2719.73	2433	2594	32.98	73.55	129.18	3242
2238.00	2744.98	2722.98	2433	2595	32.94	73.45	129.01	3194
2240.00	2748.17	2726.17	2434	2595	32.90	73.36	128.84	3179
2242.00	2751.35	2729.35	2435	2596	32.85	73.26	128.68	3223
2244.00	2754.57	2732.57	2435	2597	32.81	73.16	128.51	3160
2246.00	2757.73	2735.73	2436	2597	32.76	73.07	128.35	3279
2248.00	2761.01	2739.01	2437	2598	32.72	72.97	128.17	3215
2250.00	2764.23	2742.23	2438	2598	32.67	72.87	128.01	3203
2252.00	2767.43	2745.43	2438	2599	32.63	72.78	127.84	3202
2254.00	2770.63	2748.63	2439	2600	32.59	72.68	127.68	

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
2256.00	2773.84	2751.84	2440	2600	32.54	72.58	127.51	3208
2258.00	2777.07	2755.07	2440	2601	32.50	72.49	127.35	3225
2260.00	2780.26	2758.26	2441	2601	32.46	72.39	127.18	3198
2262.00	2783.48	2761.48	2442	2602	32.41	72.30	127.02	3213
2264.00	2786.64	2764.64	2442	2603	32.37	72.21	126.86	3166
2266.00	2789.80	2767.80	2443	2603	32.33	72.12	126.70	3156
2268.00	2792.94	2770.94	2444	2604	32.29	72.02	126.55	3146
2270.00	2796.03	2774.03	2444	2604	32.25	71.94	126.40	3089
2272.00	2799.17	2777.17	2445	2605	32.21	71.85	126.24	3141
2274.00	2802.32	2780.32	2445	2605	32.17	71.76	126.09	3144
2276.00	2805.55	2783.55	2446	2606	32.13	71.66	125.93	3230
2278.00	2809.02	2787.02	2447	2607	32.08	71.55	125.74	3472
2280.00	2812.49	2790.49	2448	2608	32.03	71.45	125.55	3470
2282.00	2815.92	2793.92	2449	2608	31.98	71.34	125.37	3431
2284.00	2819.26	2797.26	2449	2609	31.93	71.24	125.19	3343
2286.00	2822.71	2800.71	2450	2610	31.88	71.13	125.01	3447
2288.00	2826.07	2804.07	2451	2611	31.84	71.03	124.84	3355
2290.00	2829.39	2807.39	2452	2611	31.79	70.94	124.67	3324
2292.00	2832.73	2810.73	2453	2612	31.75	70.84	124.50	3343
2294.00	2836.10	2814.10	2453	2613	31.70	70.74	124.33	3369
2296.00	2839.84	2817.84	2455	2614	31.65	70.61	124.11	3740
2298.00	2843.45	2821.45	2456	2615	31.60	70.50	123.91	3610
2300.00	2847.44	2825.44	2457	2617	31.53	70.36	123.67	3990

PE601854

This is an enclosure indicator page.
The enclosure PE601854 is enclosed within the
container PE903222 at this location in this
document.

The enclosure PE601854 has the following characteristics:

ITEM_BARCODE = PE601854
CONTAINER_BARCODE = PE903222
NAME = Drift Corrected Sonic Log
BASIN = GIPPSLAND
PERMIT = VIC/P24
TYPE = WELL
SUBTYPE = VELOCITY_CHART
DESCRIPTION = Schlumberger drift corrected sonic log
for Whaleshark-1
REMARKS =
DATE_CREATED = 27/08/92
DATE_RECEIVED = 24/02/93
W_NO = W1068
WELL_NAME = Whaleshark-1
CONTRACTOR = Schlumberger
CLIENT_OP_CO = Esso Australia Ltd

(Inserted by DNRE - Vic Govt Mines Dept)

PE601855

This is an enclosure indicator page.
The enclosure PE601855 is enclosed within the
container PE903222 at this location in this
document.

The enclosure PE601855 has the following characteristics:

- ITEM_BARCODE = PE601855
- CONTAINER_BARCODE = PE903222
 - NAME = Whaleshark 1 Seismic calibration log
 - BASIN = GIPPSLAND
 - PERMIT = VIC/P24
 - TYPE = WELL
 - SUBTYPE = VELOCITY_CHART
- DESCRIPTION = Schlumberger seismic calibration log
(adjusted continuous velocity log)
Whaleshark 1
- REMARKS =
- DATE_CREATED = 27/08/92
- DATE_RECEIVED = 24/02/93
 - W_NO = W1068
 - WELL_NAME = Whaleshark-1
 - CONTRACTOR = Schlumberger
 - CLIENT_OP_CO = Esso Australia Ltd

(Inserted by DNRE - Vic Govt Mines Dept)

PE601856

This is an enclosure indicator page.
The enclosure PE601856 is enclosed within the
container PE903222 at this location in this
document.

The enclosure PE601856 has the following characteristics:

ITEM_BARCODE = PE601856
CONTAINER_BARCODE = PE903222
NAME = Geogram (syn. seismogram)
BASIN = GIPPSLAND
PERMIT = VIC/P24
TYPE = WELL
SUBTYPE = SYNTH_SEISMOGRSM
DESCRIPTION = Schlumberger geogram 25 Hertz zero
phase (synthetic seismogram) Whaleshark
1
REMARKS =
DATE_CREATED = 27/08/92
DATE_RECEIVED = 24/02/93
W_NO = W1068
WELL_NAME = Whaleshark-1
CONTRACTOR = Schlumberger
CLIENT_OP_CO = Esso Australia Ltd

(Inserted by DNRE - Vic Govt Mines Dept)

PE601857

This is an enclosure indicator page.
The enclosure PE601857 is enclosed within the
container PE903222 at this location in this
document.

The enclosure PE601857 has the following characteristics:

ITEM_BARCODE = PE601857
CONTAINER_BARCODE = PE903222
NAME = Geogram (syn. seismogram)
BASIN = GIPPSLAND
PERMIT = VIC/P24
TYPE = WELL
SUBTYPE = SYNTH_SEISMOGRSM
DESCRIPTION = Schlumberger geogram 35 Hertz zero
phase (synthetic seismogram) Whaleshark
1
REMARKS =
DATE_CREATED = 27/08/92
DATE_RECEIVED = 24/03/93
W_NO = W1068
WELL_NAME = Whaleshark-1
CONTRACTOR = Schlumberger
CLIENT_OP_CO = Esso Australia Ltd

(Inserted by DNRE - Vic Govt Mines Dept)

PE601858

This is an enclosure indicator page.
The enclosure PE601858 is enclosed within the
container PE903222 at this location in this
document.

The enclosure PE601858 has the following characteristics:

ITEM_BARCODE = PE601858
CONTAINER_BARCODE = PE903222
NAME = Geogram (syn. seismogram)
BASIN = GIPPSLAND
PERMIT = VIC/P24
TYPE = WELL
SUBTYPE = SYNTH_SEISMOGRSM
DESCRIPTION = Schlumberger geogram 45 Hertz zero
phase (synthetic seismogram) Whaleshark
1
REMARKS =
DATE_CREATED = 27/08/92
DATE_RECEIVED = 24/03/93
W_NO = W1068
WELL_NAME = Whaleshark-1
CONTRACTOR = Schlumberger
CLIENT_OP_CO = Esso Australia Ltd

(Inserted by DNRE - Vic Govt Mines Dept)