Attachment to W.R.

Seismic Processing Report

Orange Rough-1

(W866)

VSP PLOTS

Plot 1	Stacked Data
Plot 2	Amplitude Recovery
Plot 3	Velocity Filter
Plot 4	Waveshaping Deconvolution Zero Phase
Plot 5	Waveshaping Deconvolution - Corridor Stack
Plot 6	VSP and Geogram Composite - normal polarity 20 cm/sec \ (-90 deg. phase applied)
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GEOGRAM PLOTS

Drift Corrected Sonic

Seismic Calibration Log

25 hz zero phase Geogram 10 cm/sec

35 hz zero phase Geogram 10 cm/sec

45 hz zero phase Geogram 10 cm/sec

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ESSO AUSTRALIA LTD

WELL SEISMIC PROCESSING REPORT

Zero Offset VSP and Geogram

ORANGE ROUGHY-1

FIELD : WILDCAT

COUNTRY : AUSTRALIA

COORDINATES : 038 34' 56.99" S
: 148 02' 30.99" E

LOCATION : VEA

DATE OF SURVEY : 27 JUNE 1995

REFERENCE NO. : SYJ.561133/561134

INTERVAL : 2614 - 164 M

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1. Introduction

Two vertical seismic profile was recorded with the Combinable Seismic Imager tool (CSI) at the Orange Roughy1 well. The data was processed using the conventional zero offset processing chain using only the vertical component.

2. Data Acquisition

The data was acquired in a single logging run using the three component Combinable Seismic Imager tool (CSI). An array of three sleeve air guns were used as the source. The gun was positioned 5 meters below mean sea level . Recording was made on the Schlumberger Maxis 500 Unit using DLIS format .

Table 1. Survey Parameters

Elevation of KB	25.0 M
Elevation of DF	24.7 M
Elevation of GL	- 75.0 M
Total Depth	2450 M
Energy Source	3 X 150 cu in. airguns
Source Offset	50 M
Source Depth	5 M below MSL
Reference Sensor	Hydrophone
Hydrophone Offset	50 M
Hydrophone Depth	10 M below MSL
Source & Hyd. Azimuth	248.0 Degr.

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.

$$\frac{\Delta dr \text{ if } t}{\Delta dept\, h} < 0$$

For a negative drift the sonic time is greater than the seismic time over a certain section of the log.

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

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

Two methods of correction to the sonic log are used.

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

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

$\Delta t - \Delta t_{min}$ 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 Δ t 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 Open Hole Logs

The sonic log has been recorded from 2605.0 to 62.0 metres below DF. This sonic log has been edited to alleviate cycle skipping and spiky data. The density log has also been edited to take into account bad hole condition.

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

3.3 Correction to Datum and Velocity Modelling

The sonic calibration processing has been referenced to mean sea level which the seismic reference datum . Static corrections are applied to correct for source offset and source depth. This involves using a water velocity of 1524 m/sec.

3.4 Sonic Calibration Results

The top of the sonic log (164.0 metres below DF) is chosen as the origin for the calibration drift curve.

The drift curve is the correction imposed upon 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 below.

Table 2: Sonic Drift

Depth Interval (metres below KB)	Block Shift μsec/mt	Δt_{min} μsec/mt	Equiv Block shift μsec/mt
0 - 164	0.00	-	0.00
164 - 1396.3	10.14	-	10.14
1396.3 - 1520.8	3.45	-	3.45
1520.8 - 2090.5	12.41	-	12.41
2090.5 - 2275.3	13.53	-	13.53
2275.3 - 2614.0	-	250.51	-1.00

4. Synthetic Seismogram Processing

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

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

GEOGRAM processing produces synthetic seismic traces based on reflection coefficients generated form 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 form the top to bottom in order to match the seismic section.

4.2 Primary Reflection Coefficients

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

$$R = \frac{\rho_2.v_2 - \rho_1.v_1}{\rho_2.v_2 + \rho_1.v_1}$$

where:

ρ_1 = density of the layer above the reflection interface
ρ_2 = density of the layer below the reflection interface
v_1 = compressional wave velocity of the layer above the reflection interface
v_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 form the above result we obtain multiples only.

4.6 Wavelet

A theoretical wavelet is chosen to use for convolution with the reflection coefficients previoulsy 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.

5. VSP Processing

The vertical component of the VSP data was processed using the conventional zero offset vertical incident processing chain. The following subsections describe the main aspects of the processing chain.

5.1 Stacking

After splicing, reordering and selecting the raw shots, a median stack was performed on the vertical and horizontal component data. The surface sensor (hydrophone) breaks are used as the zero time for stacking. The break time of each trace is recomputed after stacking.

The data quality is fairly good with the vertical component stacks displaying a consistent signature and a high signal to noise ratio, as seen on Plot 1.

5.2 Spherical Divergence Correction and Bandpass Filter

A bandpass filter of 5-100 hertz bandwidth was applied and time varying gain function of the exponential form :

$$GAIN(T) = \left(\frac{T}{T_o}\right)^{\alpha}$$

where T is the recorded time, T_o is the first break time and $\alpha = 1.0$

Trace equalisation was applied by normalising the RMS amplitude of the first break to correct for transmission losses of the direct wave. A normalisation window of 100 millisecs was used (see plot 2).

5.3 Velocity filter

The downgoing coherent energy is estimated using a five levels median velocity filter. The filter array is moved down one level after each computation and the process is repeated level by level over the entire dataset. As a result, the deepest and shallowest levels are lost because of edge effects.

The residual wavefield is obtained by subtracting the downgoing coherent energy from the total wavefield. The residual wavefield is dominated by reflected compressional events (plot 3).

The upgoing wavefield is enhanced by making a median stack of the upgoing aligned traces using a 5 levels filter. The data is now displayed in two way time (plot 3).

5.4 Waveshaping Deconvolution

The waveshaping deconvolution operator is a double sided operator and is designed trace by trace opening 20 ms before the first break with a window length of 1000 ms. The desired outputs were chosen to be zero phase with a band width of 5-80 Hz. Once the design is made upon the downgoing wavefield, it is applied to the downgoing and subtracted wavefield at the same level. The upgoing compressional wavefield is enhanced in an exactly analogous manner to before.

The trace by trace deconvolution is applied in order to collapse the multiple sequence of shear arrivals, diffractions or out of plane reflections. The result of waveshaping deconvolution on the upgoing wavefield is shown in Plot 4.

A corridor stack was computed on the data after zero phase waveshaping deconvolution by defining a constant 150 ms timing window along the time depth curve and stacking the data onto a single trace. This trace under normal circumstances should satisfy the assumption of one dimensionality and provide the best seismic representation of the borehole. This is displayed on Plot 5 .

5.5 VSP Acoustic Impedance Inversion

The zero phase waveshaping should permit a better interpretation of acoustic contrast, hence the data used for the inversion has been taken from the VSP after zero phase waveshaping deconvolution.

The inversion technique is based on entropy minimisation of the reflection coefficient series. In other words, the algorithm chooses the sparsest sequences of reflection coefficients as the preferred solution. The low frequency trend is extracted from the time depth curve such that the inversion technique is achieved without any input from the logged data.

It is important to point out that the acoustic impedance inversion is obtained without any input from the logged data. The quality of the inversion can be assessed by the similarity of the match between the logged impedance and inverted impedance.

Plots 6 and 7 are composite displays of the VSP data, inverted impedance, logged impedance and synthetic seismograms. These displays are a guide to the tie between the geograms and corridor stack.

There is a fairly good tie between the synthetic seismogram and VSP. There are some subtle variations on the Amplitude of the events. The VSP provides a measure of the earth filter effect whilst the synthetic makes some very basic assumptions to approximate the earth filter effect.

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 metres from kelly bushing.

3. Vertical depth form SRD: dsrd, the depth in metres from seismic reference datum.

4. Observed travel time HYD to GEO: tim0, the transit time picked form the stacked data by subtracting the surface sensor first break time from the downhole sensor first break time.

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

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

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

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

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

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

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 metres from kelly bushing

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

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

5.Integrated raw sonic time: the raw sonic log is integrated from top to bottom and listed at each level. An initial value at the top of the sonic log is set equal to the checkshot time at that level. This may be an imposed shot if a shot was not taken at the top of the sonic.

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

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

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 metres from kelly bushing

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

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

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

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

7. reduction factor: see section 4 of report.

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

A4 Velocity Report

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

2. Vertical depth from KB: the depth in metres form kelly bushing.

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

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

5. Integrated adjusted sonic time: the adjusted sonic log is integrated from top to bottom. An initial value at the top of the sonic is set equal the checkshot time at that level. (the adjusted sonic log is the drift corrected sonic log.)

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

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

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

A5 Time Converted Velocity Report

the data in this listing has been resampled in time.

1. Two way travel time from SRD: this is the index for the data in this listing. The first value is at SRD (0 millisecs) and the sampling rate is 2 millisecs.

2. Measured depth from KB: the depth from KB at each corresponding value of two way time.

3. Vertical depth from SRD: the vertical depth from SRD at each corresponding value of two way time.

4. Average velocity SRD to GEO: the vertical depth from SRD divided by half the two way time.

5. RMS velocity: the root mean square velocity from datum to the corresponding value of two way time.

$$v_{rms} = \sqrt{\Sigma_1^n v_i^2 t_i / \Sigma^n{}_1 t_i}$$

where v_i is the velocity between each 2 millisecs interval.

6. First normal moveout: the correction time in millisecs to be applied to the two way travel time for a specified moveout distance (default = 1000 M).

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

where:

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

7. Second normal moveout: the correction time in millisecs to be applied to the two way travel tome for a specified moveout distance (default = 1500 M).

8. Third normal moveout: the correction time in millisecs to be applied to the two way travel time for a specified moveout distance (default = 2000 M)

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 0.002. It is equivalent to column 9 from the Velocity Report.

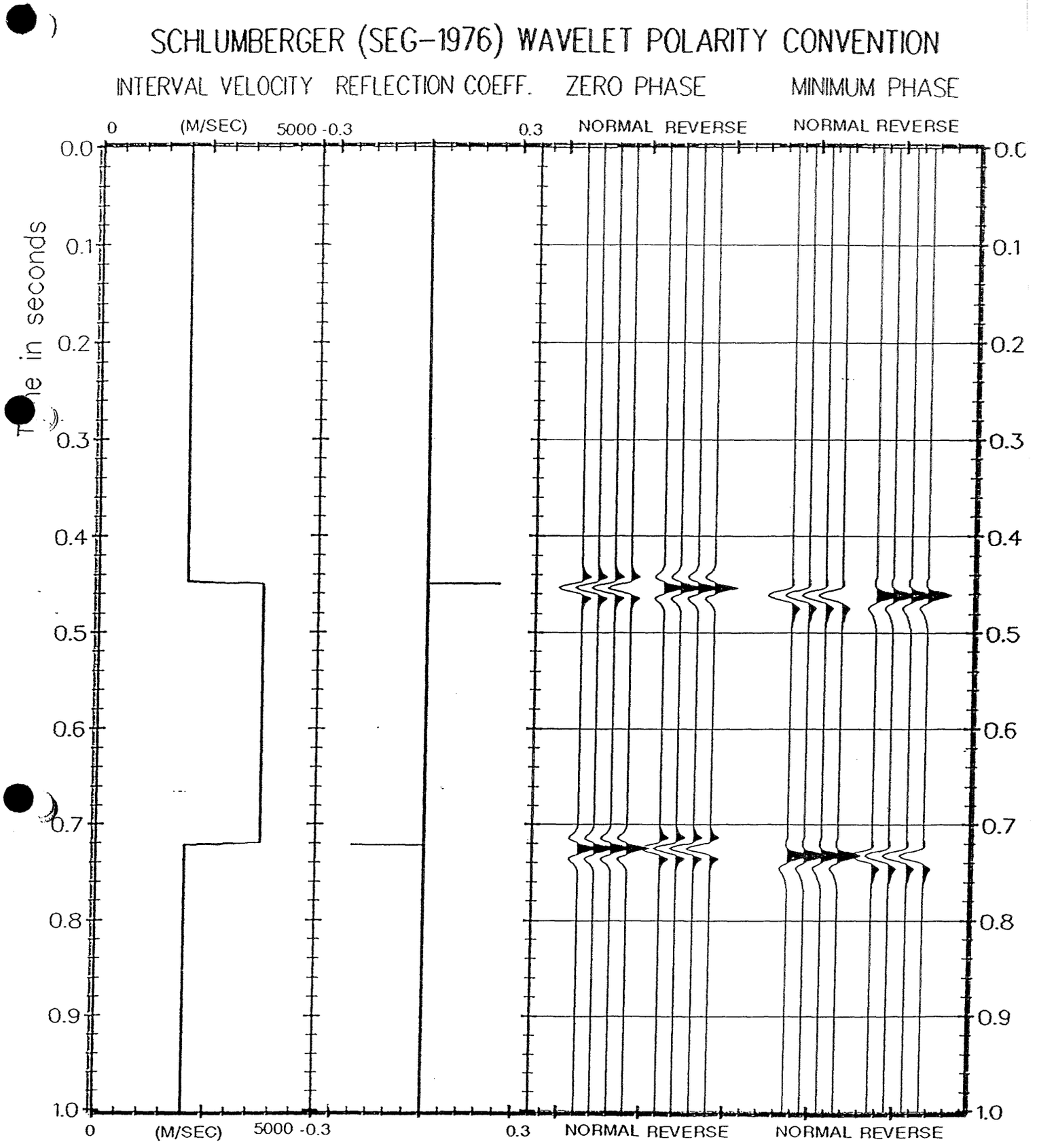


Figure 1 Wavelet Polarity Convention

Shots

ANALYST: WIBISONO 23-JUL-95 20:34:02 PROGRAM: GSHOT 007.E08

SCHLUMBERGER

GEOPHYSICAL AIRGUN REPORT

COMPANY : ESSO AUSTRALIA LTD.
WELL : ORANGE ROUGHY 1
FIELD : WILDCAT
STATE : VICTORIA
COUNTRY : AUSTRALIA
REFERENCE: SYJ.561133/561134
LOGGED : 27-JUNI-1995

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
DEVWEL - DEVIATED WELL DATA PER SHOT : MEAS. DEPTH, VERT. DEPTH, EW, NS

SAMPLED

SHOT.GSH - Shot number
DKB.GSH - Measured Depth from Kelly-Bushing
DSRD.GSH - Depth from SRD
DGL.GSH - Vertical Depth Relative to Ground Level (User's Reference)
TIMO.GSH - 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	:	25.0000	M
ELEV OF SRD AB. MSL(WST)	SRD	:	0	M
Elevation of Kelly Bushi	EKB	:	25.0000	M
ELEV OF GL AB. SRD(WST)	GL	:	-75.0000	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	-5.0	-46.4	-18.7	-10.0	-46.4	-18.7

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

	MD @ KB M	VD @ KB M	VD @ SRD M	E-W COORD M	N-S COORD M
1	100.0	100.0	75.0	0	0
2	737.1	737.1	712.1	0	0
3	737.2	737.2	712.2	0	0
4	1061.0	1061.0	1036.0	0	0
5	1185.0	1185.0	1160.0	0	0
6	1396.0	1396.0	1371.0	0	0
7	1520.0	1520.0	1495.0	0	0
8	1842.0	1842.0	1817.0	0	0
9	1902.0	1902.0	1877.0	0	0
10	2020.0	2020.0	1995.0	0	0
11	2040.0	2040.0	2015.0	0	0
12	2060.0	2060.0	2035.0	0	0
13	2080.0	2080.0	2055.0	0	0
14	2100.0	2100.0	2075.0	0	0
15	2120.0	2120.0	2095.0	0	0
16	2140.0	2140.0	2115.0	0	0
17	2160.0	2160.0	2135.0	0	0
18	2180.0	2180.0	2155.0	0	0
19	2200.0	2200.0	2175.0	0	0
20	2220.0	2220.0	2195.0	0	0
21	2240.0	2240.0	2215.0	0	0
22	2260.0	2260.0	2235.0	0	0
23	2275.2	2275.2	2250.2	0	0
24	2280.0	2280.0	2255.0	0	0
25	2300.0	2300.0	2275.0	0	0
26	2320.0	2320.0	2295.0	0	0
27	2340.0	2340.0	2315.0	0	0
28	2360.0	2360.0	2335.0	0	0
29	2380.0	2380.0	2355.0	0	0
30	2420.0	2420.0	2395.0	0	0
31	2440.0	2440.0	2415.0	0	0
32	2460.0	2460.0	2435.0	0	0
33	2480.0	2480.0	2455.0	0	0

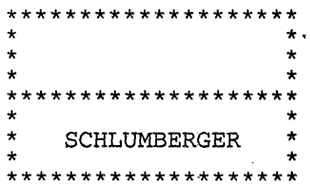
34	2500.0	2500.0	2475.0	0	0
35	2520.0	2520.0	2495.0	0	0
36	2540.0	2540.0	2515.0	0	0
37	2560.0	2560.0	2535.0	0	0
38	2580.0	2580.0	2555.0	0	0
39	2600.0	2600.0	2575.0	0	0

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	100.0	75.0	0	53.20	45.96	49.24	1523			
2	737.1	712.1	637.1	308.80	311.30	314.58	2264	637.1	265.34	2401
3	737.2	712.2	637.2	308.60	311.10	314.39	2265	.1	-.20	-502
4	1061.0	1036.0	961.0	421.60	424.38	427.66	2422	323.8	113.28	2858
5	1185.0	1160.0	1085.0	458.70	461.55	464.83	2496	124.0	37.17	3336
6	1396.0	1371.0	1296.0	523.80	526.73	530.01	2587	211.0	65.18	3237
7	1520.0	1495.0	1420.0	570.10	573.06	576.34	2594	124.0	46.33	2676
8	1842.0	1817.0	1742.0	692.80	695.82	699.10	2599	322.0	122.76	2623
9	1902.0	1877.0	1802.0	713.90	716.93	720.21	2606	60.0	21.11	2842
10	2020.0	1995.0	1920.0	755.60	758.64	761.92	2618	118.0	41.72	2829
11	2040.0	2015.0	1940.0	762.40	765.44	768.72	2621	20.0	6.80	2940
12	2060.0	2035.0	1960.0	769.20	772.25	775.53	2624	20.0	6.80	2940
13	2080.0	2055.0	1980.0	775.90	778.95	782.23	2627	20.0	6.70	2984
14	2100.0	2075.0	2000.0	782.60	785.65	788.93	2630	20.0	6.70	2984
15	2120.0	2095.0	2020.0	789.30	792.35	795.63	2633	20.0	6.70	2984
16	2140.0	2115.0	2040.0	796.30	799.36	802.64	2635	20.0	7.00	2856
17	2160.0	2135.0	2060.0	802.70	805.76	809.04	2639	20.0	6.40	3124
18	2180.0	2155.0	2080.0	809.10	812.16	815.44	2643	20.0	6.40	3124
19	2200.0	2175.0	2100.0	815.50	818.56	821.84	2646	20.0	6.40	3124
20	2220.0	2195.0	2120.0	821.90	824.97	828.25	2650	20.0	6.40	3124
21	2240.0	2215.0	2140.0	828.60	831.67	834.95	2653	20.0	6.70	2984
22	2260.0	2235.0	2160.0	835.30	838.37	841.65	2655	20.0	6.70	2984
23	2275.2	2250.2	2175.2	840.40	843.47	846.75	2657	15.2	5.10	2979
24	2280.0	2255.0	2180.0	841.80	844.87	848.15	2659	4.8	1.40	3428

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
25	2300.0	2275.0	2200.0	847.80	850.87	854.16	2663	20.0	6.00	3332
26	2320.0	2295.0	2220.0	853.60	856.68	859.96	2669	20.0	5.80	3447
27	2340.0	2315.0	2240.0	858.40	861.48	864.76	2677	20.0	4.80	4164
28	2360.0	2335.0	2260.0	863.00	866.08	869.36	2686	20.0	4.60	4346
29	2380.0	2355.0	2280.0	868.30	871.38	874.66	2692	20.0	5.30	3772
30	2420.0	2395.0	2320.0	879.70	882.79	886.07	2703	40.0	11.40	3508
31	2440.0	2415.0	2340.0	885.80	888.89	892.17	2707	20.0	6.10	3278
32	2460.0	2435.0	2360.0	892.30	895.39	898.67	2710	20.0	6.50	3076
33	2480.0	2455.0	2380.0	897.30	900.39	903.67	2717	20.0	5.00	3998
34	2500.0	2475.0	2400.0	902.50	905.60	908.88	2723	20.0	5.20	3845
35	2520.0	2495.0	2420.0	909.20	912.30	915.58	2725	20.0	6.70	2984
36	2540.0	2515.0	2440.0	914.00	917.10	920.38	2733	20.0	4.80	4165
37	2560.0	2535.0	2460.0	919.30	922.40	925.68	2739	20.0	5.30	3772
38	2580.0	2555.0	2480.0	925.00	928.10	931.38	2743	20.0	5.70	3508
39	2600.0	2575.0	2500.0	930.00	933.10	936.39	2750	20.0	5.00	3999

Drift

ANALYST: WIBISONO 23-JUL-95 20:36:13 PROGRAM: GDRIFT 007.E09



DRIFT COMPUTATION REPORT

COMPANY : ESSO AUSTRALIA LTD.
WELL : ORANGE ROUGHY 1
FIELD : WILDCAT
STATE : VICTORIA
COUNTRY : AUSTRALIA
REFERENCE: SYJ.561133/561134
LOGGED : 27-JUNI-1995

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)
RAWS - Raw Sonic (WST)
SHDR - Drift at Shot or Knee
BLSH - Block Shift between Shots or Knee

(GLOBAL PARAMETERS)		(VALUE)	
ELEV OF KB AB. MSL (WST)	KB	25.0000	M
ELEV OF SRD AB. MSL(WST)	SRD	0	M
Elevation of Kelly Bushi	EKB	25.0000	M
ELEV OF GL AB. SRD(WST)	GL	-75.0000	M
TOP OF ZONE PROCD (WST)	XSTART	0	M
BOT OF ZONE PROCD (WST)	XSTOP	0	M
RAW SONIC CH NAME (WST)	GAD001	DT.EDI.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/M
1	100.0	75.0	0	49.24	49.24	0	0
2	164.0	139.0	64.0	75.89	75.89	0	0
3	737.1	712.1	637.1	314.58	308.39	6.19	10.80
4	737.2	712.2	637.2	314.39	308.43	5.95	-2389.60
5	1061.0	1036.0	961.0	427.66	418.24	9.42	10.70
6	1185.0	1160.0	1085.0	464.83	454.31	10.52	8.86
7	1396.0	1371.0	1296.0	530.01	517.74	12.27	8.29
8	1520.0	1495.0	1420.0	576.34	563.41	12.93	5.36
9	1842.0	1817.0	1742.0	699.10	682.50	16.60	11.39
10	1902.0	1877.0	1802.0	720.21	702.78	17.42	13.73
11	2020.0	1995.0	1920.0	761.92	742.69	19.24	15.38
12	2040.0	2015.0	1940.0	768.72	749.13	19.60	18.10
13	2060.0	2035.0	1960.0	775.53	755.70	19.82	11.24
14	2080.0	2055.0	1980.0	782.23	762.49	19.74	-4.34
15	2100.0	2075.0	2000.0	788.93	769.04	19.89	7.77
16	2120.0	2095.0	2020.0	795.63	775.68	19.96	3.20
17	2140.0	2115.0	2040.0	802.64	782.15	20.48	26.33
18	2160.0	2135.0	2060.0	809.04	788.46	20.58	4.68
19	2180.0	2155.0	2080.0	815.44	794.66	20.78	10.08
20	2200.0	2175.0	2100.0	821.84	800.84	21.01	11.53
21	2220.0	2195.0	2120.0	828.25	806.88	21.37	17.97
22	2240.0	2215.0	2140.0	834.95	813.25	21.70	16.57
23	2260.0	2235.0	2160.0	841.65	819.73	21.92	11.11
24	2275.2	2250.2	2175.2	846.75	824.44	22.31	25.46

LEVEL NUMBER	MEASURED DEPTH FROM KB M	VERTICAL DEPTH FROM SRD M	VERTICAL DEPTH FROM GL M	VERTICAL TRAVEL TIME SRD/GEO MS	INTEGRATED RAW SONIC TIME MS	COMPUTED DRIFT AT LEVEL MS	COMPUTED BLK-SHFT CORRECTION US/M
25	2280.0	2255.0	2180.0	848.15	825.74	22.41	20.87
26	2300.0	2275.0	2200.0	854.16	831.56	22.59	9.29
27	2320.0	2295.0	2220.0	859.96	836.82	23.13	26.96
28	2340.0	2315.0	2240.0	864.76	842.01	22.75	-19.01
29	2360.0	2335.0	2260.0	869.36	847.22	22.14	-30.81
30	2380.0	2355.0	2280.0	874.66	852.82	21.85	-14.52
31	2420.0	2395.0	2320.0	886.07	864.33	21.74	-2.80
32	2440.0	2415.0	2340.0	892.17	870.12	22.05	15.98
33	2460.0	2435.0	2360.0	898.67	875.95	22.72	33.12
34	2480.0	2455.0	2380.0	903.67	881.58	22.09	-31.13
35	2500.0	2475.0	2400.0	908.88	886.94	21.94	-7.72
36	2520.0	2495.0	2420.0	915.58	892.47	23.11	58.28
37	2540.0	2515.0	2440.0	920.38	897.92	22.46	-32.12
38	2560.0	2535.0	2460.0	925.68	903.42	22.26	-10.05
39	2580.0	2555.0	2480.0	931.38	908.73	22.65	19.52
40	2600.0	2575.0	2500.0	936.39	914.22	22.16	-24.54
41	2614.0	2589.0	2514.0	940.15	917.99	22.16	0

SCHLUMBERGER

SONIC ADJUSTMENT PARAMETER REPORT

COMPANY : ESSO AUSTRALIA LTD.
WELL : ORANGE ROUGHY 1
FIELD : WILDCAT
STATE : VICTORIA
COUNTRY : AUSTRALIA
REFERENCE: SYJ.561133/561134
LOGGED : 27-JUNI-1995

LONG DEFINITIONS

GLOBAL

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

ZONE

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

SAMPLED

SHOT - Shot number
VDKB - Vertical Depth Relative to KB
DSRD - Depth from SRD
DGL - Vertical Depth Relative to Ground Level (User's Reference)
KNEE - Knee
BLSH - Block Shift between Shots or Knee
DTMI - Value of Delta-T Minimum used
COEF - Delta-T MIN Coefficient used in the Drift Zone
DRGR - Gradient of Drift Curve

(GLOBAL PARAMETERS)		(VALUE)	
ORIG OF ADJ DATA (WST)	SRCDRF	: 2.00000	
CONS SONIC ADJST (WST)	CONADJ	: 24.6063	US/M
UNIFORM EARTH VELOCITY	UNERTH	: 1523.00	M/S

(ZONED PARAMETERS)		(VALUE)		(LIMITS)		
USER DRIFT ZONE (WST)	ZDRIFT	: 22.16000	MS	2614.00	-	2275.30
		22.50000		2275.30		2090.50
		20.00000		2090.50		1520.80
		12.93000		1520.80		1396.30
		12.50000		1396.30		164.000
		0		164.000		0
ADJUSMNT MODE (WST)	ADJOPZ	:-999.2500		30479.7	-	0
USER DELTA-T MIN (WST)	ADJUSZ	:-999.2500	US/M	30479.7	-	0
LAYER OPTION FLAG VELOC	LOFVEL	: 0		30479.7	-	0
USER VELOC (WST)	LAYVEL	: 2401.000	M/S	164.000	-	100.000
		0		100.000		0

KNEE NUMBER	VERTICAL DEPTH FROM KB M	VERTICAL DEPTH FROM SRD M	VERTICAL DEPTH FROM GL M	DRIFT AT KNEE MS	BLOCKSHIFT USED US/M	DELTA-T MINIMUM USED US/M	REDUCTION FACTOR G	EQUIVALENT BLOCKSHIFT US/M
2	164.0	139.0	64.0	0	0			0
3	1396.3	1371.3	1296.3	12.50	10.14			10.14
4	1520.8	1495.8	1420.8	12.93	3.45			3.45
5	2090.5	2065.5	1990.5	20.00	12.41			12.41
6	2275.3	2250.3	2175.3	22.50	13.53			13.53
7	2614.0	2589.0	2514.0	22.16		250.51	1.00	-1.00

ANALYST: A. WIBISONO 24-JUL-95 09:49:05 PROGRAM: GADJST 008.E08

SCHLUMBERGER

VELOCITY REPORT

COMPANY : ESSO AUSTRALIA LTD.
WELL : ORANGE ROUGHY 1
FIELD : WILDCAT
STATE : VICTORIA
COUNTRY : AUSTRALIA
REFERENCE: SYJ.561133/561134
LOGGED : 27-JUNI-1995

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	25.0000	M
ELEV OF SRD AB. MSL(WST)	SRD	0	M
Elevation of Kelly Bushi	EKB	25.0000	M
ELEV OF GL AB. SRD(WST)	GL	-75.0000	M
UNIFORM EARTH VELOCITY	UNERTH	1523.00	M/S

(ZONED PARAMETERS)		(VALUE)		(LIMITS)
LAYER OPTION FLAG VELOC	LOFVEL	0		30479.7 - 0
USER VELOC (WST)	LAYVEL	2401.000	M/S	164.000 - 100.000
		0		100.000 0

LEVEL NUMBER	MEASURED DEPTH FROM KB M	VERTICAL DEPTH FROM SRD M	VERTICAL DEPTH FROM GL M	VERTICAL TRAVEL TIME SRD/GEOPH MS	INTEGRATED ADJUSTED SONIC TIME MS	DRIFT = SHOT TIME - RAW SON MS	RESIDUAL = SHOT TIME - ADJ SON MS	ADJUSTED INTERVAL VELOCITY M/S
								1523
1	100.0	75.0	0	49.24	49.24	0	0	2400
2	164.0	139.0	64.0	75.89	75.90	0	-.01	2405
3	737.1	712.1	637.1	314.58	314.20	6.19	.38	2462
4	737.2	712.2	637.2	314.39	314.24	5.95	.14	2863
5	1061.0	1036.0	961.0	427.66	427.32	9.42	.34	3322
6	1185.0	1160.0	1085.0	464.83	464.65	10.52	.17	3218
7	1396.0	1371.0	1296.0	530.01	530.23	12.27	-.22	2690
8	1520.0	1495.0	1420.0	576.34	576.33	12.93	.01	2616
9	1842.0	1817.0	1742.0	699.10	699.41	16.60	-.31	2853
10	1902.0	1877.0	1802.0	720.21	720.44	17.42	-.23	2853
11	2020.0	1995.0	1920.0	761.92	761.80	19.24	.13	2989
12	2040.0	2015.0	1940.0	768.72	768.49	19.60	.24	2929
13	2060.0	2035.0	1960.0	775.53	775.32	19.82	.21	2843
14	2080.0	2055.0	1980.0	782.23	782.35	19.74	-.12	2939
15	2100.0	2075.0	2000.0	788.93	789.16	19.89	-.22	2895
16	2120.0	2095.0	2020.0	795.63	796.07	19.96	-.43	2965
17	2140.0	2115.0	2040.0	802.64	802.81	20.48	-.17	3040
18	2160.0	2135.0	2060.0	809.04	809.39	20.58	-.35	3090
19	2180.0	2155.0	2080.0	815.44	815.86	20.78	-.42	3106
20	2200.0	2175.0	2100.0	821.84	822.30	21.01	-.46	3169
21	2220.0	2195.0	2120.0	828.25	828.61	21.37	-.37	3010
22	2240.0	2215.0	2140.0	834.95	835.26	21.70	-.31	2963
23	2260.0	2235.0	2160.0	841.65	842.01	21.92	-.36	3096
24	2275.2	2250.2	2175.2	846.75	846.92	22.31	-.16	

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
								3673
25	2280.0	2255.0	2180.0	848.15	848.22	22.41	-.07	
								3436
26	2300.0	2275.0	2200.0	854.16	854.04	22.59	.11	
								3804
27	2320.0	2295.0	2220.0	859.96	859.30	23.13	.66	
								3858
28	2340.0	2315.0	2240.0	864.76	864.49	22.75	.27	
								3831
29	2360.0	2335.0	2260.0	869.36	869.71	22.14	-.34	
								3577
30	2380.0	2355.0	2280.0	874.66	875.30	21.85	-.63	
								3473
31	2420.0	2395.0	2320.0	886.07	886.81	21.74	-.75	
								3462
32	2440.0	2415.0	2340.0	892.17	892.59	22.05	-.42	
								3419
33	2460.0	2435.0	2360.0	898.67	898.44	22.72	.23	
								3561
34	2480.0	2455.0	2380.0	903.67	904.06	22.09	-.38	
								3732
35	2500.0	2475.0	2400.0	908.88	909.42	21.94	-.54	
								3616
36	2520.0	2495.0	2420.0	915.58	914.95	23.11	.63	
								3672
37	2540.0	2515.0	2440.0	920.38	920.39	22.46	-.01	
								3633
38	2560.0	2535.0	2460.0	925.68	925.90	22.26	-.22	
								3768
39	2580.0	2555.0	2480.0	931.38	931.21	22.65	.18	
								3640
40	2600.0	2575.0	2500.0	936.39	936.70	22.16	-.32	
								3653
41	2614.0	2589.0	2514.0	940.15	940.52	22.16	-.37	

Time / Depth

ANALYST: A. WIBISONO 24-JUL-95 09:31:29 PROGRAM: GTRFRM 001.E13

SCHLUMBERGER

TIME CONVERTED VELOCITY REPORT

COMPANY : ESSO AUSTRALIA LTD.
WELL : ORANGE ROUGHY 1
FIELD : WILDCAT
STATE : VICTORIA
COUNTRY : AUSTRALIA
REFERENCE: SYJ.561133/561134
LOGGED : 27-JUNI-1995

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	25.0000	M
ELEV OF SRD AB. MSL(WST)	SRD	0	M
ELEV OF GL AB. SRD(WST)	GL	-75.0000	M
UNIFORM EARTH VELOCITY	UNERTH	1523.00	M/S
UNIFORM DENSITY VALUE	UNFDEN	2.30000	G/C3

(MATRIX PARAMETERS)

	MVOUT DIST M
1	1000.0
2	1500.0
3	2000.0

(ZONED PARAMETERS)		(VALUE)		(LIMITS)
LAYER OPTION FLAG VELOC	LOFVEL	: 0		30479.7 - 0
USER VELOC (WST)	LAYVEL	: 2401.000	M/S	164.000 - 100.000
		0		100.000 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
								1523
0	25.0	0						1523
2.00	26.5	1.5	1523	1523	654.60	982.90	1311.20	1523
4.00	28.0	3.0	1523	1523	652.61	980.91	1309.20	1523
6.00	29.6	4.6	1523	1523	650.63	978.92	1307.21	1523
8.00	31.1	6.1	1523	1523	648.65	976.93	1305.22	1523
10.00	32.6	7.6	1523	1523	646.68	974.95	1303.24	1523
12.00	34.1	9.1	1523	1523	644.71	972.97	1301.25	1523
14.00	35.7	10.7	1523	1523	642.75	971.00	1299.27	1523
16.00	37.2	12.2	1523	1523	640.79	969.03	1297.29	1523
18.00	38.7	13.7	1523	1523	638.85	967.06	1295.32	1523
20.00	40.2	15.2	1523	1523	636.90	965.10	1293.35	1523
22.00	41.8	16.8	1523	1523	634.97	963.14	1291.38	1523
24.00	43.3	18.3	1523	1523	633.04	961.19	1289.42	1523
26.00	44.8	19.8	1523	1523	631.11	959.24	1287.46	1523
28.00	46.3	21.3	1523	1523	629.20	957.30	1285.50	1523
30.00	47.8	22.8	1523	1523	627.28	955.36	1283.54	1523
32.00	49.4	24.4	1523	1523	625.38	953.42	1281.59	1523
34.00	50.9	25.9	1523	1523	623.48	951.48	1279.64	1523
36.00	52.4	27.4	1523	1523	621.58	949.56	1277.69	1523
38.00	53.9	28.9	1523	1523	619.70	947.63	1275.75	1523
40.00	55.5	30.5	1523	1523	617.82	945.71	1273.81	1523
42.00	57.0	32.0	1523	1523	615.94	943.79	1271.87	1523
44.00	58.5	33.5	1523	1523	614.07	941.88	1269.93	1523
46.00	60.0	35.0	1523	1523	612.21	939.97	1268.00	

TWO-WAY TRAVEL TIME FROM SRD MS	MEASURED DEPTH FROM KB M	VERTICAL DEPTH FROM SRD M	AVERAGE VELOCITY SRD/GEO M/S	RMS VELOCITY M/S	FIRST NORMAL MOVEOUT MS	SECOND NORMAL MOVEOUT MS	THIRD NORMAL MOVEOUT MS	INTERVAL VELOCITY M/S
48.00	61.6	36.6	1523	1523	610.35	938.07	1266.07	1523
50.00	63.1	38.1	1523	1523	608.50	936.17	1264.15	1523
52.00	64.6	39.6	1523	1523	606.65	934.27	1262.23	1523
54.00	66.1	41.1	1523	1523	604.82	932.38	1260.31	1523
56.00	67.6	42.6	1523	1523	602.98	930.49	1258.39	1523
58.00	69.2	44.2	1523	1523	601.16	928.60	1256.48	1523
60.00	70.7	45.7	1523	1523	599.33	926.72	1254.57	1523
62.00	72.2	47.2	1523	1523	597.52	924.85	1252.66	1523
64.00	73.7	48.7	1523	1523	595.71	922.98	1250.76	1523
66.00	75.3	50.3	1523	1523	593.91	921.11	1248.86	1523
68.00	76.8	51.8	1523	1523	592.11	919.24	1246.96	1523
70.00	78.3	53.3	1523	1523	590.32	917.38	1245.06	1523
72.00	79.8	54.8	1523	1523	588.53	915.53	1243.17	1523
74.00	81.4	56.4	1523	1523	586.76	913.67	1241.28	1523
76.00	82.9	57.9	1523	1523	584.98	911.83	1239.39	1523
78.00	84.4	59.4	1523	1523	583.22	909.98	1237.51	1523
80.00	85.9	60.9	1523	1523	581.45	908.14	1235.63	1523
82.00	87.4	62.4	1523	1523	579.70	906.31	1233.76	1523
84.00	89.0	64.0	1523	1523	577.95	904.47	1231.88	1523
86.00	90.5	65.5	1523	1523	576.21	902.65	1230.01	1523
88.00	92.0	67.0	1523	1523	574.47	900.82	1228.14	1523
90.00	93.5	68.5	1523	1523	572.74	899.00	1226.28	1523
92.00	95.1	70.1	1523	1523	571.01	897.19	1224.42	1523
94.00	96.6	71.6	1523	1523	569.29	895.37	1222.56	

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	98.1	73.1	1523	1523	567.58	893.57	1220.70	1523
98.00	99.6	74.6	1523	1523	565.87	891.76	1218.85	1523
100.00	101.8	76.8	1536	1539	557.27	879.54	1203.07	2197
102.00	104.2	79.2	1553	1561	546.74	864.41	1183.41	2401
104.00	106.6	81.6	1570	1581	536.92	850.32	1165.11	2401
106.00	109.0	84.0	1585	1601	527.70	837.13	1148.03	2401
108.00	111.4	86.4	1601	1619	519.03	824.77	1132.04	2401
110.00	113.8	88.8	1615	1637	510.86	813.13	1117.01	2401
112.00	116.2	91.2	1629	1653	503.13	802.15	1102.86	2401
114.00	118.6	93.6	1643	1669	495.79	791.77	1089.50	2401
116.00	121.0	96.0	1656	1685	488.83	781.92	1076.85	2401
118.00	123.4	98.4	1668	1699	482.19	772.57	1064.86	2401
120.00	125.8	100.8	1681	1713	475.86	763.66	1053.46	2401
122.00	128.2	103.2	1692	1727	469.81	755.17	1042.60	2401
124.00	130.6	105.6	1704	1740	464.01	747.05	1032.24	2401
126.00	133.0	108.0	1715	1752	458.45	739.28	1022.34	2401
128.00	135.4	110.4	1726	1764	453.10	731.82	1012.86	2401
130.00	137.8	112.8	1736	1776	447.96	724.67	1003.78	2401
132.00	140.2	115.2	1746	1787	443.00	717.79	995.05	2401
134.00	142.6	117.6	1756	1798	438.22	711.16	986.67	2401
136.00	145.0	120.0	1765	1808	433.61	704.77	978.59	2401
138.00	147.4	122.4	1775	1818	429.14	698.61	970.81	2401
140.00	149.8	124.8	1783	1828	424.82	692.65	963.31	2401
142.00	152.2	127.2	1792	1837	420.63	686.88	956.06	

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	154.6	129.6	1801	1846	416.57	681.30	949.04	2401
146.00	157.0	132.0	1809	1855	412.62	675.88	942.25	2401
148.00	159.4	134.4	1817	1863	408.79	670.63	935.68	2401
150.00	161.9	136.9	1825	1871	405.06	665.53	929.30	2401
152.00	164.2	139.2	1832	1878	401.62	660.86	923.49	2360
154.00	166.2	141.2	1834	1880	399.67	658.47	920.74	2015
156.00	168.1	143.1	1835	1880	398.24	656.86	919.05	1878
158.00	169.9	144.9	1834	1879	397.19	655.84	918.13	1765
160.00	171.7	146.7	1833	1878	396.08	654.72	917.09	1782
162.00	173.4	148.4	1832	1876	395.03	653.68	916.14	1765
164.00	175.3	150.3	1833	1876	393.63	652.10	914.48	1871
166.00	177.3	152.3	1835	1878	391.76	649.79	911.83	2014
168.00	179.3	154.3	1836	1879	390.08	647.77	909.56	1963
170.00	181.3	156.3	1838	1880	388.30	645.59	907.07	1998
172.00	183.2	158.2	1840	1882	386.59	643.53	904.73	1978
174.00	185.0	160.0	1840	1881	385.43	642.28	903.50	1810
176.00	187.0	162.0	1841	1882	383.85	640.39	901.40	1948
178.00	189.0	164.0	1842	1883	382.22	638.42	899.18	1967
180.00	191.0	166.0	1844	1884	380.52	636.34	896.82	1992
182.00	192.9	167.9	1845	1884	379.05	634.60	894.90	1924
184.00	194.8	169.8	1846	1885	377.57	632.84	892.97	1929
186.00	196.7	171.7	1846	1885	376.22	631.28	891.29	1888
188.00	198.6	173.6	1847	1885	374.88	629.73	889.63	1887
190.00	200.5	175.5	1847	1885	373.50	628.12	887.88	1901

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	202.4	177.4	1848	1886	372.04	626.37	885.94	1935
194.00	204.4	179.4	1850	1887	370.33	624.24	883.48	2024
196.00	206.3	181.3	1850	1887	368.98	622.65	881.77	1901
198.00	208.3	183.3	1851	1887	367.61	621.02	879.98	1915
200.00	210.3	185.3	1853	1889	365.89	618.86	877.47	2041
202.00	212.4	187.4	1855	1891	364.06	616.51	874.71	2087
204.00	214.5	189.5	1858	1894	362.11	613.95	871.66	2139
206.00	216.6	191.6	1860	1895	360.49	611.92	869.33	2025
208.00	218.6	193.6	1862	1897	358.80	609.77	866.82	2057
210.00	220.7	195.7	1863	1898	357.15	607.68	864.39	2048
212.00	222.6	197.6	1865	1899	355.66	605.84	862.31	1990
214.00	224.8	199.8	1867	1901	353.87	603.52	859.56	2112
216.00	226.9	201.9	1869	1903	352.07	601.17	856.78	2124
218.00	229.0	204.0	1871	1905	350.33	598.91	854.11	2109
220.00	231.1	206.1	1874	1907	348.59	596.65	851.44	2113
222.00	233.2	208.2	1876	1909	346.85	594.38	848.75	2123
224.00	235.2	210.2	1877	1910	345.48	592.69	846.85	1975
226.00	237.3	212.3	1879	1912	343.85	590.57	844.37	2092
228.00	239.3	214.3	1880	1913	342.37	588.70	842.21	2033
230.00	241.4	216.4	1882	1914	340.73	586.56	839.69	2107
232.00	243.4	218.4	1883	1915	339.49	585.05	838.02	1936
234.00	245.4	220.4	1884	1916	337.98	583.10	835.75	2065
236.00	247.5	222.5	1886	1918	336.39	581.03	833.31	2101
238.00	249.5	224.5	1886	1918	335.19	579.57	831.69	1931

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	251.4	226.4	1886	1918	334.05	578.19	830.19	1906
242.00	253.5	228.5	1889	1920	332.39	576.00	827.58	2148
244.00	255.7	230.7	1891	1922	330.73	573.79	824.94	2157
246.00	257.8	232.8	1893	1924	329.12	571.67	822.42	2139
248.00	260.0	235.0	1895	1926	327.46	569.45	819.76	2172
250.00	262.2	237.2	1897	1928	325.80	567.23	817.10	2179
252.00	264.4	239.4	1900	1930	324.12	564.97	814.38	2197
254.00	266.4	241.4	1900	1931	322.89	563.41	812.62	1987
256.00	268.3	243.3	1901	1931	321.72	561.95	810.97	1960
258.00	270.4	245.4	1902	1932	320.29	560.06	808.75	2098
260.00	272.6	247.6	1905	1935	318.60	557.77	805.98	2225
262.00	274.9	249.9	1908	1937	316.84	555.35	803.03	2271
264.00	277.1	252.1	1910	1939	315.31	553.30	800.56	2169
266.00	279.2	254.2	1911	1941	313.93	551.48	798.43	2096
268.00	281.2	256.2	1912	1941	312.62	549.77	796.43	2067
270.00	283.5	258.5	1915	1944	311.00	547.54	793.73	2237
272.00	285.7	260.7	1917	1946	309.34	545.26	790.95	2262
274.00	288.0	263.0	1920	1949	307.71	543.02	788.22	2255
276.00	290.1	265.1	1921	1950	306.41	541.31	786.21	2088
278.00	292.2	267.2	1922	1951	305.09	539.54	784.12	2111
280.00	294.4	269.4	1924	1953	303.57	537.47	781.62	2217
282.00	296.4	271.4	1925	1953	302.48	536.06	780.02	1990
284.00	298.4	273.4	1925	1954	301.39	534.66	778.43	1987
286.00	300.5	275.5	1927	1955	300.09	532.91	776.35	2119

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	302.7	277.7	1929	1957	298.57	530.82	773.81	2245
290.00	304.9	279.9	1930	1958	297.22	528.99	771.61	2159
292.00	307.0	282.0	1932	1960	295.95	527.27	769.57	2124
294.00	309.1	284.1	1933	1961	294.70	525.59	767.58	2113
296.00	311.4	286.4	1935	1963	293.28	523.63	765.20	2221
298.00	313.7	288.7	1937	1965	291.72	521.44	762.51	2306
300.00	315.9	290.9	1940	1967	290.28	519.43	760.05	2255
302.00	318.3	293.3	1942	1970	288.72	517.23	757.33	2326
304.00	320.6	295.6	1944	1972	287.23	515.12	754.75	2300
306.00	322.9	297.9	1947	1975	285.64	512.87	751.95	2361
308.00	325.2	300.2	1949	1977	284.25	510.92	749.56	2258
310.00	327.5	302.5	1952	1979	282.74	508.77	746.91	2337
312.00	329.8	304.8	1954	1981	281.35	506.81	744.51	2275
314.00	332.0	307.0	1956	1983	280.03	504.97	742.26	2235
316.00	334.2	309.2	1957	1985	278.76	503.20	740.11	2213
318.00	336.7	311.7	1960	1988	277.12	500.82	737.13	2450
320.00	338.8	313.8	1961	1989	275.99	499.27	735.28	2135
322.00	340.9	315.9	1962	1990	274.88	497.76	733.47	2122
324.00	343.0	318.0	1963	1990	273.80	496.28	731.72	2108
326.00	345.3	320.3	1965	1992	272.60	494.59	729.67	2205
328.00	347.5	322.5	1966	1993	271.40	492.91	727.63	2208
330.00	349.6	324.6	1967	1994	270.25	491.31	725.70	2175
332.00	351.8	326.8	1969	1996	269.12	489.73	723.80	2172
334.00	354.0	329.0	1970	1997	267.96	488.10	721.81	2202

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	356.2	331.2	1972	1998	266.79	486.45	719.81	2211
338.00	358.6	333.6	1974	2001	265.40	484.43	717.28	2377
340.00	360.8	335.8	1976	2002	264.20	482.73	715.19	2248
342.00	363.1	338.1	1977	2004	263.03	481.06	713.15	2240
344.00	365.3	340.3	1979	2005	261.85	479.38	711.09	2248
346.00	367.6	342.6	1980	2007	260.67	477.69	709.01	2257
348.00	369.9	344.9	1982	2008	259.50	476.00	706.94	2264
350.00	372.1	347.1	1983	2010	258.37	474.39	704.96	2233
352.00	374.3	349.3	1985	2011	257.25	472.80	703.00	2233
354.00	376.6	351.6	1986	2013	256.09	471.12	700.93	2276
356.00	378.9	353.9	1988	2014	254.89	469.39	698.78	2306
358.00	381.2	356.2	1990	2016	253.77	467.77	696.79	2258
360.00	383.5	358.5	1992	2018	252.54	465.96	694.53	2355
362.00	386.0	361.0	1994	2021	251.15	463.88	691.88	2487
364.00	388.5	363.5	1997	2023	249.81	461.88	689.35	2457
366.00	391.0	366.0	2000	2026	248.44	459.83	686.74	2491
368.00	393.4	368.4	2002	2029	247.09	457.82	684.17	2485
370.00	395.9	370.9	2005	2032	245.78	455.86	681.69	2463
372.00	398.4	373.4	2007	2034	244.49	453.92	679.23	2467
374.00	400.8	375.8	2009	2036	243.30	452.15	676.99	2393
376.00	403.1	378.1	2011	2038	242.12	450.40	674.79	2390
378.00	405.6	380.6	2014	2041	240.85	448.49	672.36	2475
380.00	408.2	383.2	2017	2044	239.53	446.49	669.79	2532
382.00	410.7	385.7	2019	2047	238.21	444.49	667.23	2534

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	413.2	388.2	2022	2050	236.89	442.48	664.65	2552
386.00	415.8	390.8	2025	2052	235.60	440.52	662.13	2541
388.00	418.4	393.4	2028	2055	234.28	438.50	659.52	2577
390.00	420.9	395.9	2030	2059	232.96	436.48	656.92	2587
392.00	423.5	398.5	2033	2062	231.66	434.48	654.34	2587
394.00	426.1	401.1	2036	2064	230.40	432.54	651.85	2562
396.00	428.7	403.7	2039	2067	229.15	430.63	649.38	2564
398.00	431.2	406.2	2041	2070	227.88	428.68	646.85	2592
400.00	433.8	408.8	2044	2073	226.67	426.80	644.44	2561
402.00	436.4	411.4	2047	2076	225.43	424.89	641.96	2591
404.00	438.9	413.9	2049	2078	224.26	423.09	639.64	2540
406.00	441.6	416.6	2052	2081	223.02	421.17	637.15	2612
408.00	444.1	419.1	2055	2084	221.83	419.32	634.75	2588
410.00	446.7	421.7	2057	2087	220.64	417.47	632.36	2593
412.00	449.3	424.3	2060	2090	219.45	415.62	629.95	2606
414.00	451.9	426.9	2062	2092	218.29	413.81	627.61	2590
416.00	454.6	429.6	2065	2095	217.11	411.97	625.22	2620
418.00	457.2	432.2	2068	2098	215.92	410.12	622.80	2636
420.00	459.8	434.8	2071	2101	214.75	408.27	620.39	2644
422.00	462.5	437.5	2073	2104	213.58	406.44	618.00	2643
424.00	465.1	440.1	2076	2107	212.45	404.66	615.67	2625
426.00	467.8	442.8	2079	2110	211.30	402.85	613.31	2652
428.00	470.4	445.4	2082	2113	210.11	400.97	610.85	2698
430.00	473.1	448.1	2084	2116	208.99	399.21	608.54	2647

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	475.7	450.7	2087	2118	207.90	397.48	606.28	2631
434.00	478.4	453.4	2089	2121	206.79	395.73	603.98	2659
436.00	481.1	456.1	2092	2124	205.67	393.94	601.64	2685
438.00	483.8	458.8	2095	2127	204.56	392.16	599.29	2695
440.00	486.5	461.5	2098	2130	203.44	390.38	596.95	2706
442.00	489.2	464.2	2100	2133	202.33	388.61	594.62	2706
444.00	491.9	466.9	2103	2136	201.24	386.87	592.31	2704
446.00	494.6	469.6	2106	2139	200.16	385.14	590.03	2704
448.00	497.3	472.3	2108	2141	199.12	383.48	587.84	2671
450.00	499.9	474.9	2111	2144	198.09	381.82	585.66	2675
452.00	502.6	477.6	2113	2147	197.06	380.16	583.47	2690
454.00	505.3	480.3	2116	2149	196.04	378.52	581.30	2686
456.00	508.0	483.0	2118	2152	195.03	376.89	579.15	2690
458.00	510.7	485.7	2121	2155	194.04	375.31	577.06	2667
460.00	513.3	488.3	2123	2157	193.06	373.73	574.97	2673
462.00	516.0	491.0	2126	2160	192.06	372.11	572.83	2708
464.00	518.7	493.7	2128	2162	191.10	370.56	570.77	2678
466.00	521.4	496.4	2130	2165	190.17	369.05	568.77	2654
468.00	524.0	499.0	2133	2167	189.23	367.53	566.76	2668
470.00	526.7	501.7	2135	2169	188.30	366.03	564.77	2664
472.00	529.4	504.4	2137	2172	187.37	364.50	562.75	2692
474.00	532.1	507.1	2140	2174	186.44	363.00	560.75	2686
476.00	534.8	509.8	2142	2177	185.51	361.49	558.74	2700
478.00	537.5	512.5	2144	2179	184.61	360.01	556.77	2685

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	540.1	515.1	2146	2181	183.75	358.60	554.91	2638
482.00	542.8	517.8	2148	2184	182.87	357.18	553.01	2665
484.00	545.5	520.5	2151	2186	181.98	355.71	551.05	2703
486.00	548.2	523.2	2153	2188	181.09	354.24	549.10	2711
488.00	550.9	525.9	2155	2191	180.20	352.79	547.16	2709
490.00	553.6	528.6	2157	2193	179.35	351.39	545.28	2686
492.00	556.2	531.2	2160	2195	178.52	350.02	543.46	2659
494.00	558.9	533.9	2162	2197	177.68	348.65	541.62	2677
496.00	561.6	536.6	2164	2199	176.87	347.32	539.85	2646
498.00	564.2	539.2	2166	2201	176.07	346.00	538.09	2649
500.00	566.9	541.9	2168	2204	175.24	344.62	536.24	2707
502.00	569.6	544.6	2170	2206	174.42	343.26	534.42	2699
504.00	572.4	547.4	2172	2208	173.58	341.86	532.53	2742
506.00	575.1	550.1	2174	2210	172.74	340.47	530.66	2742
508.00	577.8	552.8	2176	2213	171.94	339.14	528.87	2702
510.00	580.5	555.5	2178	2215	171.15	337.83	527.10	2697
512.00	583.2	558.2	2181	2217	170.36	336.49	525.31	2722
514.00	585.9	560.9	2183	2219	169.57	335.18	523.54	2709
516.00	588.7	563.7	2185	2221	168.79	333.87	521.77	2724
518.00	591.4	566.4	2187	2223	168.01	332.58	520.02	2713
520.00	594.1	569.1	2189	2226	167.23	331.26	518.24	2746
522.00	596.9	571.9	2191	2228	166.46	329.96	516.48	2737
524.00	599.6	574.6	2193	2230	165.71	328.70	514.77	2714
526.00	602.3	577.3	2195	2232	164.98	327.47	513.11	2689

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	605.0	580.0	2197	2234	164.24	326.23	511.44	2706
530.00	607.7	582.7	2199	2236	163.50	324.97	509.73	2736
532.00	610.4	585.4	2201	2238	162.78	323.76	508.09	2699
534.00	613.1	588.1	2203	2240	162.08	322.59	506.51	2671
536.00	615.8	590.8	2205	2242	161.36	321.36	504.84	2735
538.00	618.5	593.5	2206	2244	160.65	320.17	503.21	2710
540.00	621.2	596.2	2208	2245	159.95	318.98	501.59	2714
542.00	624.0	599.0	2210	2247	159.25	317.78	499.97	2727
544.00	626.7	601.7	2212	2249	158.57	316.63	498.40	2698
546.00	629.4	604.4	2214	2251	157.88	315.47	496.82	2709
548.00	631.9	606.9	2215	2252	157.29	314.46	495.46	2558
550.00	634.6	609.6	2217	2254	156.64	313.37	493.97	2660
552.00	637.3	612.3	2218	2256	155.99	312.25	492.46	2686
554.00	640.0	615.0	2220	2257	155.33	311.13	490.92	2705
556.00	642.6	617.6	2222	2259	154.70	310.05	489.44	2671
558.00	645.4	620.4	2224	2261	154.03	308.89	487.86	2751
560.00	648.1	623.1	2225	2263	153.38	307.79	486.36	2704
562.00	650.8	625.8	2227	2264	152.76	306.72	484.90	2678
564.00	653.5	628.5	2229	2266	152.14	305.65	483.43	2691
566.00	656.1	631.1	2230	2267	151.55	304.66	482.08	2612
568.00	658.7	633.7	2231	2269	150.97	303.65	480.71	2631
570.00	661.3	636.3	2233	2270	150.41	302.70	479.41	2581
572.00	663.9	638.9	2234	2271	149.84	301.72	478.07	2622
574.00	666.5	641.5	2235	2272	149.29	300.79	476.81	2563

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	669.1	644.1	2236	2273	148.74	299.83	475.50	2603
578.00	671.7	646.7	2238	2275	148.17	298.84	474.15	2647
580.00	674.4	649.4	2239	2276	147.59	297.86	472.79	2652
582.00	677.0	652.0	2241	2278	147.03	296.88	471.46	2644
584.00	679.7	654.7	2242	2279	146.45	295.88	470.07	2688
586.00	682.3	657.3	2243	2280	145.91	294.94	468.79	2613
588.00	685.0	660.0	2245	2282	145.35	293.97	467.45	2668
590.00	687.6	662.6	2246	2283	144.79	293.01	466.12	2659
592.00	690.3	665.3	2247	2284	144.27	292.09	464.87	2607
594.00	692.9	667.9	2249	2286	143.71	291.13	463.53	2678
596.00	695.6	670.6	2250	2287	143.17	290.18	462.22	2668
598.00	698.1	673.1	2251	2288	142.68	289.34	461.07	2537
600.00	700.6	675.6	2252	2289	142.21	288.53	459.97	2499
602.00	703.1	678.1	2253	2290	141.75	287.72	458.86	2507
604.00	705.6	680.6	2254	2290	141.30	286.94	457.80	2476
606.00	708.2	683.2	2255	2291	140.82	286.12	456.67	2531
608.00	710.7	685.7	2256	2292	140.35	285.29	455.53	2554
610.00	713.3	688.3	2257	2293	139.87	284.46	454.38	2560
612.00	716.0	691.0	2258	2294	139.34	283.54	453.10	2684
614.00	718.7	693.7	2260	2296	138.79	282.56	451.73	2758
616.00	721.3	696.3	2261	2297	138.29	281.68	450.52	2640
618.00	723.9	698.9	2262	2298	137.82	280.86	449.38	2570
620.00	726.4	701.4	2263	2299	137.39	280.11	448.35	2484
622.00	729.0	704.0	2264	2300	136.92	279.27	447.18	2610

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	731.5	706.5	2264	2300	136.50	278.55	446.20	2451
626.00	734.0	709.0	2265	2301	136.06	277.78	445.14	2517
628.00	736.6	711.6	2266	2302	135.59	276.95	443.97	2624
630.00	739.2	714.2	2267	2303	135.12	276.12	442.82	2613
632.00	741.8	716.8	2268	2304	134.69	275.35	441.76	2539
634.00	744.3	719.3	2269	2305	134.26	274.59	440.71	2533
636.00	746.8	721.8	2270	2305	133.83	273.84	439.67	2526
638.00	749.3	724.3	2271	2306	133.41	273.11	438.65	2514
640.00	751.9	726.9	2272	2307	132.97	272.33	437.56	2578
642.00	754.4	729.4	2272	2308	132.55	271.59	436.54	2522
644.00	756.9	731.9	2273	2308	132.15	270.88	435.56	2482
646.00	759.4	734.4	2274	2309	131.76	270.19	434.60	2466
648.00	761.9	736.9	2274	2310	131.34	269.44	433.56	2559
650.00	764.6	739.6	2276	2311	130.88	268.62	432.40	2671
652.00	767.2	742.2	2277	2312	130.45	267.86	431.33	2588
654.00	769.8	744.8	2278	2313	130.01	267.07	430.23	2628
656.00	772.4	747.4	2279	2314	129.58	266.30	429.15	2606
658.00	775.1	750.1	2280	2315	129.13	265.50	428.02	2667
660.00	777.5	752.5	2280	2315	128.78	264.87	427.15	2405
662.00	780.2	755.2	2281	2316	128.34	264.08	426.03	2658
664.00	782.4	757.4	2281	2316	128.02	263.53	425.28	2288
666.00	784.6	759.6	2281	2316	127.75	263.05	424.63	2165
668.00	787.1	762.1	2282	2316	127.38	262.40	423.72	2455
670.00	789.6	764.6	2282	2317	126.99	261.70	422.74	2538

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	792.2	767.2	2283	2318	126.58	260.96	421.69	2619
674.00	794.7	769.7	2284	2318	126.22	260.33	420.81	2439
676.00	796.9	771.9	2284	2318	125.94	259.83	420.13	2213
678.00	799.0	774.0	2283	2317	125.69	259.39	419.55	2097
680.00	801.2	776.2	2283	2317	125.40	258.89	418.86	2234
682.00	804.8	779.8	2287	2322	124.63	257.45	416.74	3563
684.00	807.7	782.7	2289	2324	124.13	256.53	415.42	2911
686.00	810.5	785.5	2290	2325	123.68	255.71	414.25	2773
688.00	813.0	788.0	2291	2326	123.31	255.04	413.31	2543
690.00	815.5	790.5	2291	2326	122.96	254.41	412.42	2485
692.00	818.0	793.0	2292	2327	122.61	253.78	411.52	2502
694.00	820.5	795.5	2293	2327	122.24	253.10	410.57	2567
696.00	823.1	798.1	2293	2328	121.87	252.43	409.61	2575
698.00	825.7	800.7	2294	2329	121.49	251.74	408.64	2599
700.00	828.4	803.4	2295	2330	121.09	251.02	407.60	2669
702.00	831.1	806.1	2297	2331	120.69	250.28	406.54	2698
704.00	833.8	808.8	2298	2332	120.28	249.53	405.46	2733
706.00	836.6	811.6	2299	2334	119.87	248.78	404.38	2731
708.00	839.3	814.3	2300	2335	119.45	247.99	403.25	2792
710.00	842.1	817.1	2302	2336	119.03	247.22	402.13	2786
712.00	844.7	819.7	2302	2337	118.69	246.60	401.26	2525
714.00	847.7	822.7	2304	2339	118.21	245.70	399.95	2995
716.00	850.5	825.5	2306	2341	117.79	244.92	398.82	2814
718.00	853.3	828.3	2307	2342	117.38	244.17	397.73	2787

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	855.9	830.9	2308	2343	117.01	243.49	396.76	2653
722.00	858.7	833.7	2309	2344	116.61	242.76	395.69	2767
724.00	861.6	836.6	2311	2346	116.17	241.93	394.49	2917
726.00	864.5	839.5	2313	2348	115.72	241.10	393.27	2946
728.00	867.6	842.6	2315	2350	115.23	240.18	391.92	3088
730.00	870.6	845.6	2317	2352	114.78	239.33	390.68	2989
732.00	873.6	848.6	2319	2354	114.33	238.47	389.43	3005
734.00	876.6	851.6	2320	2356	113.89	237.67	388.25	2937
736.00	879.4	854.4	2322	2357	113.49	236.90	387.13	2873
738.00	882.3	857.3	2323	2359	113.09	236.15	386.04	2858
740.00	885.0	860.0	2324	2360	112.72	235.46	385.03	2759
742.00	887.9	862.9	2326	2362	112.32	234.73	383.96	2848
744.00	891.0	866.0	2328	2364	111.87	233.87	382.70	3062
746.00	894.7	869.7	2332	2368	111.20	232.59	380.77	3717
748.00	897.8	872.8	2334	2371	110.75	231.73	379.51	3079
750.00	900.8	875.8	2336	2373	110.30	230.89	378.26	3085
752.00	903.9	878.9	2338	2375	109.85	230.04	377.01	3091
754.00	907.0	882.0	2340	2377	109.42	229.21	375.78	3069
756.00	909.9	884.9	2341	2379	109.02	228.46	374.67	2947
758.00	912.7	887.7	2342	2380	108.68	227.83	373.75	2726
760.00	915.4	890.4	2343	2381	108.34	227.18	372.81	2763
762.00	918.6	893.6	2345	2383	107.89	226.33	371.54	3145
764.00	921.6	896.6	2347	2385	107.48	225.55	370.39	3034
766.00	924.5	899.5	2349	2387	107.10	224.83	369.32	2933

TWO-WAY TRAVEL TIME FROM SRD MS	MEASURED DEPTH FROM KB M	VERTICAL DEPTH FROM SRD M	AVERAGE VELOCITY SRD/GEO M/S	RMS VELOCITY M/S	FIRST NORMAL MOVEOUT MS	SECOND NORMAL MOVEOUT MS	THIRD NORMAL MOVEOUT MS	INTERVAL VELOCITY M/S
768.00	927.5	902.5	2350	2388	106.72	224.11	368.25	2945
770.00	930.4	905.4	2352	2390	106.35	223.40	367.21	2919
772.00	933.3	908.3	2353	2391	105.97	222.69	366.16	2937
774.00	936.3	911.3	2355	2393	105.59	221.96	365.07	2990
776.00	939.3	914.3	2356	2395	105.22	221.25	364.03	2942
778.00	942.1	917.1	2358	2396	104.87	220.59	363.05	2867
780.00	944.9	919.9	2359	2397	104.56	219.99	362.17	2741
782.00	947.5	922.5	2359	2398	104.28	219.47	361.40	2604
784.00	950.0	925.0	2360	2398	104.01	218.97	360.67	2544
786.00	952.5	927.5	2360	2398	103.76	218.50	360.00	2470
788.00	955.0	930.0	2360	2398	103.51	218.02	359.30	2501
790.00	957.6	932.6	2361	2399	103.23	217.51	358.55	2591
792.00	960.7	935.7	2363	2401	102.85	216.76	357.43	3075
794.00	963.8	938.8	2365	2403	102.45	216.01	356.31	3094
796.00	966.9	941.9	2367	2405	102.05	215.23	355.13	3173
798.00	970.1	945.1	2369	2407	101.65	214.46	353.98	3150
800.00	973.3	948.3	2371	2410	101.23	213.65	352.77	3228
802.00	976.5	951.5	2373	2412	100.84	212.90	351.64	3136
804.00	979.6	954.6	2375	2414	100.46	212.16	350.53	3128
806.00	982.7	957.7	2376	2416	100.09	211.45	349.46	3085
808.00	985.7	960.7	2378	2418	99.72	210.74	348.40	3079
810.00	988.9	963.9	2380	2420	99.34	210.00	347.27	3165
812.00	992.1	967.1	2382	2422	98.95	209.25	346.15	3179
814.00	995.3	970.3	2384	2424	98.56	208.48	344.99	3231

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	998.5	973.5	2386	2426	98.17	207.72	343.84	3222
818.00	1001.7	976.7	2388	2429	97.79	207.00	342.75	3162
820.00	1004.9	979.9	2390	2431	97.42	206.27	341.65	3183
822.00	1008.1	983.1	2392	2433	97.04	205.54	340.54	3204
824.00	1011.3	986.3	2394	2435	96.67	204.81	339.45	3201
826.00	1014.5	989.5	2396	2437	96.30	204.09	338.36	3198
828.00	1017.8	992.8	2398	2439	95.92	203.35	337.22	3264
830.00	1021.2	996.2	2401	2443	95.48	202.49	335.92	3494
832.00	1024.5	999.5	2403	2445	95.10	201.74	334.78	3283
834.00	1027.8	1002.8	2405	2447	94.73	201.03	333.70	3234
836.00	1031.0	1006.0	2407	2449	94.36	200.30	332.59	3277
838.00	1034.4	1009.4	2409	2452	93.98	199.56	331.46	3312
840.00	1037.6	1012.6	2411	2454	93.62	198.84	330.36	3271
842.00	1040.9	1015.9	2413	2457	93.24	198.11	329.25	3312
844.00	1044.2	1019.2	2415	2459	92.87	197.38	328.15	3302
846.00	1047.5	1022.5	2417	2461	92.52	196.69	327.09	3245
848.00	1050.7	1025.7	2419	2463	92.17	196.00	326.04	3252
850.00	1053.9	1028.9	2421	2465	91.85	195.37	325.08	3130
852.00	1056.9	1031.9	2422	2467	91.54	194.78	324.18	3056
854.00	1059.9	1034.9	2424	2468	91.25	194.21	323.31	3000
856.00	1063.2	1038.2	2426	2470	90.90	193.52	322.26	3293
858.00	1066.5	1041.5	2428	2472	90.55	192.82	321.19	3320
860.00	1069.9	1044.9	2430	2475	90.19	192.10	320.09	3375
862.00	1073.3	1048.3	2432	2477	89.83	191.40	319.01	3357

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	1076.6	1051.6	2434	2480	89.47	190.69	317.92	3384
866.00	1080.2	1055.2	2437	2483	89.09	189.93	316.75	3509
868.00	1083.8	1058.8	2440	2486	88.68	189.13	315.51	3608
870.00	1087.1	1062.1	2442	2488	88.35	188.46	314.49	3325
872.00	1090.5	1065.5	2444	2491	88.00	187.78	313.44	3363
874.00	1093.8	1068.8	2446	2493	87.67	187.12	312.42	3335
876.00	1097.1	1072.1	2448	2495	87.34	186.46	311.42	3320
878.00	1100.4	1075.4	2450	2497	87.02	185.83	310.45	3282
880.00	1103.7	1078.7	2452	2499	86.70	185.20	309.47	3296
882.00	1107.0	1082.0	2453	2501	86.38	184.56	308.49	3307
884.00	1110.3	1085.3	2455	2503	86.06	183.93	307.51	3327
886.00	1113.6	1088.6	2457	2506	85.74	183.29	306.53	3329
888.00	1117.0	1092.0	2459	2508	85.42	182.65	305.54	3356
890.00	1120.3	1095.3	2461	2510	85.11	182.03	304.58	3322
892.00	1123.6	1098.6	2463	2512	84.80	181.42	303.64	3294
894.00	1126.7	1101.7	2465	2514	84.53	180.89	302.82	3107
896.00	1129.9	1104.9	2466	2515	84.24	180.31	301.94	3219
898.00	1133.2	1108.2	2468	2517	83.95	179.74	301.05	3235
900.00	1136.4	1111.4	2470	2519	83.67	179.18	300.18	3211
902.00	1139.6	1114.6	2471	2521	83.40	178.63	299.34	3180
904.00	1143.0	1118.0	2473	2523	83.08	177.99	298.35	3427
906.00	1146.3	1121.3	2475	2525	82.78	177.39	297.42	3341
908.00	1149.7	1124.7	2477	2527	82.47	176.77	296.46	3403
910.00	1153.1	1128.1	2479	2530	82.16	176.16	295.51	3400

TWO-WAY TRAVEL TIME FROM SRD MS	MEASURED DEPTH FROM KB M	VERTICAL DEPTH FROM SRD M	AVERAGE VELOCITY SRD/GEO M/S	RMS VELOCITY M/S	FIRST NORMAL MOVEOUT MS	SECOND NORMAL MOVEOUT MS	THIRD NORMAL MOVEOUT MS	INTERVAL VELOCITY M/S
912.00	1156.6	1131.6	2482	2532	81.85	175.53	294.52	3462
914.00	1159.9	1134.9	2483	2534	81.57	174.97	293.65	3277
916.00	1163.1	1138.1	2485	2535	81.30	174.43	292.83	3214
918.00	1166.4	1141.4	2487	2537	81.02	173.87	291.96	3295
920.00	1169.8	1144.8	2489	2540	80.72	173.28	291.03	3404
922.00	1173.1	1148.1	2491	2542	80.44	172.71	290.14	3348
924.00	1176.4	1151.4	2492	2543	80.17	172.16	289.30	3282
926.00	1179.7	1154.7	2494	2545	79.90	171.62	288.45	3294
928.00	1183.0	1158.0	2496	2547	79.64	171.09	287.63	3244
930.00	1186.1	1161.1	2497	2548	79.40	170.62	286.90	3092
932.00	1189.4	1164.4	2499	2550	79.13	170.09	286.06	3302
934.00	1192.5	1167.5	2500	2552	78.89	169.61	285.32	3131
936.00	1195.6	1170.6	2501	2553	78.67	169.15	284.61	3069
938.00	1198.6	1173.6	2502	2554	78.44	168.71	283.92	3042
940.00	1201.7	1176.7	2504	2555	78.21	168.25	283.21	3097
942.00	1204.9	1179.9	2505	2557	77.97	167.77	282.46	3168
944.00	1208.0	1183.0	2506	2558	77.74	167.29	281.73	3151
946.00	1211.5	1186.5	2508	2560	77.45	166.71	280.82	3484
948.00	1214.8	1189.8	2510	2562	77.20	166.20	280.02	3296
950.00	1218.0	1193.0	2512	2564	76.96	165.72	279.27	3203
952.00	1221.3	1196.3	2513	2565	76.71	165.22	278.47	3298
954.00	1224.5	1199.5	2515	2567	76.48	164.75	277.74	3189
956.00	1227.6	1202.6	2516	2568	76.25	164.29	277.03	3153
958.00	1230.8	1205.8	2517	2570	76.03	163.84	276.33	3132

TWO-WAY TRAVEL TIME FROM SRD MS	MEASURED DEPTH FROM KB M	VERTICAL DEPTH FROM SRD M	AVERAGE VELOCITY SRD/GEO M/S	RMS VELOCITY M/S	FIRST NORMAL MOVEOUT MS	SECOND NORMAL MOVEOUT MS	THIRD NORMAL MOVEOUT MS	INTERVAL VELOCITY M/S
960.00	1233.9	1208.9	2519	2571	75.81	163.39	275.63	3151
962.00	1237.0	1212.0	2520	2572	75.59	162.95	274.94	3123
964.00	1240.1	1215.1	2521	2573	75.39	162.55	274.31	3009
966.00	1243.1	1218.1	2522	2574	75.18	162.13	273.65	3073
968.00	1246.3	1221.3	2523	2576	74.96	161.69	272.96	3146
970.00	1249.4	1224.4	2524	2577	74.75	161.26	272.30	3095
972.00	1252.4	1227.4	2526	2578	74.55	160.85	271.66	3060
974.00	1255.6	1230.6	2527	2579	74.33	160.41	270.97	3181
976.00	1258.8	1233.8	2528	2581	74.11	159.97	270.28	3169
978.00	1261.9	1236.9	2529	2582	73.90	159.55	269.61	3134
980.00	1265.1	1240.1	2531	2583	73.68	159.10	268.91	3207
982.00	1268.5	1243.5	2533	2585	73.44	158.62	268.15	3360
984.00	1271.8	1246.8	2534	2587	73.20	158.13	267.38	3366
986.00	1275.2	1250.2	2536	2589	72.97	157.65	266.62	3373
988.00	1278.4	1253.4	2537	2590	72.75	157.21	265.93	3207
990.00	1281.6	1256.6	2538	2591	72.55	156.80	265.29	3127
992.00	1284.8	1259.8	2540	2593	72.34	156.37	264.60	3234
994.00	1288.0	1263.0	2541	2594	72.12	155.93	263.92	3225
996.00	1291.3	1266.3	2543	2596	71.90	155.47	263.20	3334
998.00	1294.6	1269.6	2544	2597	71.68	155.04	262.51	3260
1000.00	1297.8	1272.8	2546	2599	71.48	154.61	261.84	3217
1002.00	1300.9	1275.9	2547	2600	71.29	154.24	261.26	3033
1004.00	1304.0	1279.0	2548	2601	71.10	153.85	260.63	3136
1006.00	1307.3	1282.3	2549	2602	70.89	153.42	259.95	3263

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	1310.5	1285.5	2551	2604	70.68	152.99	259.28	3266
1010.00	1313.9	1288.9	2552	2606	70.46	152.55	258.57	3336
1012.00	1317.1	1292.1	2554	2607	70.25	152.12	257.90	3274
1014.00	1320.3	1295.3	2555	2608	70.06	151.73	257.28	3158
1016.00	1323.5	1298.5	2556	2610	69.87	151.33	256.66	3179
1018.00	1326.7	1301.7	2557	2611	69.67	150.94	256.03	3189
1020.00	1329.9	1304.9	2559	2612	69.48	150.54	255.40	3218
1022.00	1333.1	1308.1	2560	2613	69.28	150.14	254.77	3203
1024.00	1336.4	1311.4	2561	2615	69.08	149.72	254.10	3311
1026.00	1339.7	1314.7	2563	2617	68.87	149.30	253.43	3325
1028.00	1343.1	1318.1	2564	2618	68.66	148.87	252.75	3343
1030.00	1346.4	1321.4	2566	2620	68.46	148.46	252.10	3307
1032.00	1349.6	1324.6	2567	2621	68.27	148.06	251.47	3248
1034.00	1352.8	1327.8	2568	2622	68.08	147.68	250.86	3210
1036.00	1356.1	1331.1	2570	2624	67.89	147.28	250.23	3268
1038.00	1359.4	1334.4	2571	2625	67.69	146.88	249.58	3307
1040.00	1362.7	1337.7	2572	2627	67.50	146.49	248.96	3262
1042.00	1365.9	1340.9	2574	2628	67.31	146.10	248.35	3246
1044.00	1369.2	1344.2	2575	2629	67.12	145.70	247.70	3326
1046.00	1372.7	1347.7	2577	2631	66.91	145.27	247.03	3423
1048.00	1376.0	1351.0	2578	2633	66.71	144.87	246.38	3337
1050.00	1379.3	1354.3	2580	2634	66.52	144.47	245.75	3323
1052.00	1382.7	1357.7	2581	2636	66.33	144.07	245.11	3361
1054.00	1386.0	1361.0	2583	2637	66.14	143.68	244.49	3303

TWO-WAY TRAVEL TIME FROM SRD MS	MEASURED DEPTH FROM KB M	VERTICAL DEPTH FROM SRD M	AVERAGE VELOCITY SRD/GEO M/S	RMS VELOCITY M/S	FIRST NORMAL MOVEOUT MS	SECOND NORMAL MOVEOUT MS	THIRD NORMAL MOVEOUT MS	INTERVAL VELOCITY M/S
1056.00	1389.3	1364.3	2584	2639	65.95	143.30	243.88	3291
1058.00	1392.3	1367.3	2585	2639	65.80	142.98	243.37	3031
1060.00	1395.3	1370.3	2586	2640	65.64	142.67	242.87	3019
1062.00	1398.1	1373.1	2586	2640	65.51	142.40	242.46	2775
1064.00	1400.9	1375.9	2586	2641	65.39	142.14	242.05	2760
1066.00	1403.6	1378.6	2586	2641	65.26	141.89	241.65	2720
1068.00	1406.3	1381.3	2587	2641	65.14	141.65	241.27	2693
1070.00	1408.9	1383.9	2587	2641	65.03	141.41	240.89	2666
1072.00	1411.6	1386.6	2587	2641	64.91	141.17	240.52	2671
1074.00	1414.4	1389.4	2587	2641	64.78	140.91	240.10	2795
1076.00	1417.0	1392.0	2587	2641	64.68	140.69	239.76	2553
1078.00	1419.5	1394.5	2587	2641	64.57	140.49	239.44	2507
1080.00	1422.0	1397.0	2587	2641	64.47	140.28	239.12	2493
1082.00	1424.7	1399.7	2587	2641	64.35	140.04	238.73	2735
1084.00	1427.4	1402.4	2587	2641	64.23	139.80	238.35	2701
1086.00	1430.1	1405.1	2588	2641	64.12	139.55	237.96	2727
1088.00	1432.8	1407.8	2588	2641	64.00	139.32	237.59	2685
1090.00	1435.5	1410.5	2588	2641	63.88	139.08	237.22	2696
1092.00	1438.2	1413.2	2588	2641	63.77	138.85	236.85	2666
1094.00	1440.8	1415.8	2588	2641	63.66	138.62	236.49	2663
1096.00	1443.5	1418.5	2589	2641	63.55	138.39	236.12	2692
1098.00	1446.3	1421.3	2589	2642	63.43	138.14	235.73	2745
1100.00	1448.9	1423.9	2589	2642	63.32	137.92	235.38	2640
1102.00	1451.6	1426.6	2589	2642	63.20	137.68	235.00	2720

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	1454.3	1429.3	2589	2642	63.09	137.45	234.64	2702
1106.00	1457.0	1432.0	2589	2642	62.98	137.23	234.28	2645
1108.00	1459.6	1434.6	2590	2642	62.88	137.01	233.94	2620
1110.00	1462.3	1437.3	2590	2642	62.76	136.78	233.57	2725
1112.00	1465.1	1440.1	2590	2642	62.65	136.54	233.19	2751
1114.00	1467.8	1442.8	2590	2642	62.53	136.30	232.82	2734
1116.00	1470.5	1445.5	2591	2642	62.42	136.07	232.44	2736
1118.00	1473.2	1448.2	2591	2643	62.31	135.84	232.08	2713
1120.00	1476.0	1451.0	2591	2643	62.19	135.61	231.71	2730
1122.00	1478.8	1453.8	2591	2643	62.07	135.37	231.32	2799
1124.00	1481.6	1456.6	2592	2643	61.96	135.13	230.94	2788
1126.00	1484.3	1459.3	2592	2643	61.85	134.90	230.57	2725
1128.00	1486.9	1461.9	2592	2643	61.74	134.68	230.23	2648
1130.00	1489.7	1464.7	2592	2644	61.63	134.45	229.86	2755
1132.00	1492.4	1467.4	2593	2644	61.52	134.22	229.50	2729
1134.00	1495.1	1470.1	2593	2644	61.42	134.01	229.16	2643
1136.00	1497.7	1472.7	2593	2644	61.31	133.80	228.83	2644
1138.00	1500.4	1475.4	2593	2644	61.21	133.59	228.49	2665
1140.00	1503.0	1478.0	2593	2644	61.11	133.37	228.15	2663
1142.00	1505.7	1480.7	2593	2644	61.00	133.16	227.80	2693
1144.00	1508.4	1483.4	2593	2644	60.90	132.94	227.46	2684
1146.00	1511.1	1486.1	2594	2644	60.79	132.72	227.11	2699
1148.00	1513.8	1488.8	2594	2644	60.69	132.51	226.78	2667
1150.00	1516.4	1491.4	2594	2644	60.59	132.30	226.44	2661

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	1519.1	1494.1	2594	2644	60.48	132.09	226.10	2682
1154.00	1521.8	1496.8	2594	2644	60.38	131.88	225.76	2704
1156.00	1524.5	1499.5	2594	2644	60.28	131.67	225.43	2654
1158.00	1527.1	1502.1	2594	2644	60.18	131.47	225.11	2621
1160.00	1529.8	1504.8	2594	2644	60.08	131.26	224.77	2690
1162.00	1532.5	1507.5	2595	2644	59.98	131.05	224.44	2672
1164.00	1535.1	1510.1	2595	2644	59.88	130.85	224.12	2645
1166.00	1537.7	1512.7	2595	2644	59.79	130.65	223.80	2638
1168.00	1540.3	1515.3	2595	2644	59.69	130.46	223.49	2574
1170.00	1543.0	1518.0	2595	2644	59.59	130.25	223.16	2679
1172.00	1545.7	1520.7	2595	2645	59.49	130.04	222.83	2691
1174.00	1548.3	1523.3	2595	2644	59.40	129.85	222.51	2631
1176.00	1550.9	1525.9	2595	2644	59.30	129.65	222.20	2626
1178.00	1553.6	1528.6	2595	2644	59.21	129.45	221.88	2641
1180.00	1556.3	1531.3	2595	2644	59.11	129.25	221.56	2667
1182.00	1558.9	1533.9	2595	2644	59.02	129.06	221.26	2601
1184.00	1561.4	1536.4	2595	2644	58.93	128.88	220.96	2568
1186.00	1564.0	1539.0	2595	2644	58.84	128.69	220.66	2603
1188.00	1566.6	1541.6	2595	2644	58.75	128.50	220.37	2564
1190.00	1569.2	1544.2	2595	2644	58.66	128.32	220.07	2591
1192.00	1571.8	1546.8	2595	2644	58.57	128.13	219.77	2574
1194.00	1574.3	1549.3	2595	2644	58.48	127.95	219.48	2586
1196.00	1577.0	1552.0	2595	2644	58.39	127.76	219.18	2609
1198.00	1579.5	1554.5	2595	2644	58.30	127.58	218.89	2556

TWO-WAY TRAVEL TIME FROM SRD MS	MEASURED DEPTH FROM KB M	VERTICAL DEPTH FROM SRD M	AVERAGE VELOCITY SRD/GEO M/S	RMS VELOCITY M/S	FIRST NORMAL MOVEOUT MS	SECOND NORMAL MOVEOUT MS	THIRD NORMAL MOVEOUT MS	INTERVAL VELOCITY M/S
1200.00	1582.0	1557.0	2595	2643	58.22	127.41	218.61	2513
1202.00	1584.5	1559.5	2595	2643	58.13	127.23	218.33	2527
1204.00	1587.1	1562.1	2595	2643	58.05	127.05	218.04	2570
1206.00	1589.6	1564.6	2595	2643	57.96	126.88	217.77	2518
1208.00	1592.2	1567.2	2595	2643	57.88	126.70	217.49	2543
1210.00	1594.7	1569.7	2595	2643	57.80	126.53	217.21	2526
1212.00	1597.3	1572.3	2595	2642	57.71	126.35	216.92	2584
1214.00	1599.9	1574.9	2595	2642	57.62	126.17	216.62	2628
1216.00	1602.5	1577.5	2595	2642	57.53	125.99	216.33	2585
1218.00	1605.0	1580.0	2594	2642	57.45	125.82	216.07	2479
1220.00	1607.5	1582.5	2594	2642	57.37	125.66	215.81	2487
1222.00	1610.0	1585.0	2594	2642	57.29	125.49	215.54	2515
1224.00	1612.5	1587.5	2594	2641	57.21	125.32	215.27	2508
1226.00	1614.9	1589.9	2594	2641	57.14	125.16	215.02	2451
1228.00	1617.4	1592.4	2594	2641	57.06	125.00	214.76	2474
1230.00	1620.0	1595.0	2593	2641	56.98	124.83	214.48	2547
1232.00	1622.5	1597.5	2593	2641	56.89	124.66	214.21	2562
1234.00	1625.2	1600.2	2594	2641	56.80	124.47	213.90	2693
1236.00	1627.8	1602.8	2594	2641	56.72	124.29	213.61	2597
1238.00	1630.3	1605.3	2593	2640	56.64	124.13	213.35	2507
1240.00	1632.7	1607.7	2593	2640	56.57	123.98	213.11	2412
1242.00	1635.3	1610.3	2593	2640	56.49	123.81	212.84	2532
1244.00	1637.8	1612.8	2593	2640	56.40	123.64	212.57	2553
1246.00	1640.5	1615.5	2593	2640	56.32	123.46	212.28	2639

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	1643.0	1618.0	2593	2640	56.23	123.29	212.00	2586
1250.00	1645.6	1620.6	2593	2639	56.16	123.13	211.74	2508
1252.00	1648.0	1623.0	2593	2639	56.08	122.98	211.50	2435
1254.00	1650.4	1625.4	2592	2639	56.01	122.82	211.25	2449
1256.00	1652.9	1627.9	2592	2639	55.94	122.67	211.00	2478
1258.00	1655.4	1630.4	2592	2638	55.86	122.51	210.74	2534
1260.00	1658.0	1633.0	2592	2638	55.78	122.34	210.47	2556
1262.00	1660.5	1635.5	2592	2638	55.70	122.18	210.21	2529
1264.00	1663.1	1638.1	2592	2638	55.62	122.01	209.94	2578
1266.00	1665.7	1640.7	2592	2638	55.54	121.84	209.67	2565
1268.00	1668.3	1643.3	2592	2638	55.46	121.67	209.40	2600
1270.00	1670.8	1645.8	2592	2638	55.38	121.51	209.14	2542
1272.00	1673.4	1648.4	2592	2638	55.30	121.35	208.87	2569
1274.00	1676.0	1651.0	2592	2637	55.22	121.18	208.60	2592
1276.00	1678.6	1653.6	2592	2637	55.14	121.01	208.33	2576
1278.00	1681.2	1656.2	2592	2637	55.06	120.84	208.05	2655
1280.00	1683.9	1658.9	2592	2637	54.98	120.66	207.76	2658
1282.00	1686.5	1661.5	2592	2637	54.89	120.49	207.48	2669
1284.00	1689.1	1664.1	2592	2637	54.81	120.32	207.21	2576
1286.00	1691.6	1666.6	2592	2637	54.74	120.17	206.97	2490
1288.00	1694.3	1669.3	2592	2637	54.66	120.00	206.69	2650
1290.00	1696.9	1671.9	2592	2637	54.58	119.83	206.42	2607
1292.00	1699.4	1674.4	2592	2637	54.50	119.68	206.16	2543
1294.00	1701.9	1676.9	2592	2637	54.43	119.53	205.92	2494

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	1704.4	1679.4	2592	2637	54.36	119.38	205.68	2481
1298.00	1706.9	1681.9	2592	2636	54.29	119.22	205.43	2519
1300.00	1709.4	1684.4	2591	2636	54.21	119.07	205.19	2494
1302.00	1712.0	1687.0	2591	2636	54.14	118.92	204.93	2561
1304.00	1714.5	1689.5	2591	2636	54.06	118.76	204.68	2557
1306.00	1717.0	1692.0	2591	2636	53.99	118.61	204.43	2508
1308.00	1719.5	1694.5	2591	2635	53.92	118.46	204.20	2460
1310.00	1722.1	1697.1	2591	2636	53.84	118.29	203.92	2668
1312.00	1724.8	1699.8	2591	2636	53.76	118.13	203.66	2628
1314.00	1727.3	1702.3	2591	2635	53.69	117.98	203.41	2533
1316.00	1729.9	1704.9	2591	2635	53.62	117.82	203.16	2553
1318.00	1732.5	1707.5	2591	2635	53.54	117.65	202.88	2681
1320.00	1735.1	1710.1	2591	2635	53.46	117.50	202.63	2596
1322.00	1737.7	1712.7	2591	2635	53.39	117.34	202.37	2569
1324.00	1740.3	1715.3	2591	2635	53.31	117.18	202.12	2598
1326.00	1742.9	1717.9	2591	2635	53.24	117.03	201.87	2557
1328.00	1745.5	1720.5	2591	2635	53.16	116.87	201.60	2657
1330.00	1748.1	1723.1	2591	2635	53.09	116.71	201.35	2566
1332.00	1750.8	1725.8	2591	2635	53.01	116.55	201.08	2681
1334.00	1753.5	1728.5	2591	2635	52.93	116.37	200.79	2757
1336.00	1756.3	1731.3	2592	2635	52.84	116.20	200.51	2734
1338.00	1758.8	1733.8	2592	2635	52.77	116.05	200.26	2561
1340.00	1761.4	1736.4	2592	2635	52.70	115.89	200.01	2605
1342.00	1764.0	1739.0	2592	2635	52.62	115.73	199.76	2603

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	1766.5	1741.5	2592	2635	52.56	115.59	199.52	2499
1346.00	1769.1	1744.1	2592	2635	52.49	115.44	199.28	2562
1348.00	1771.7	1746.7	2592	2635	52.41	115.29	199.03	2607
1350.00	1774.2	1749.2	2591	2635	52.35	115.15	198.80	2492
1352.00	1776.8	1751.8	2591	2635	52.27	114.99	198.55	2617
1354.00	1779.5	1754.5	2592	2635	52.20	114.84	198.29	2649
1356.00	1782.0	1757.0	2591	2634	52.13	114.69	198.05	2582
1358.00	1784.6	1759.6	2591	2634	52.05	114.54	197.80	2583
1360.00	1787.1	1762.1	2591	2634	51.99	114.40	197.58	2499
1362.00	1789.6	1764.6	2591	2634	51.92	114.26	197.35	2514
1364.00	1792.2	1767.2	2591	2634	51.85	114.10	197.10	2618
1366.00	1794.9	1769.9	2591	2634	51.77	113.95	196.84	2658
1368.00	1797.5	1772.5	2591	2634	51.70	113.79	196.59	2620
1370.00	1800.2	1775.2	2592	2634	51.63	113.63	196.33	2699
1372.00	1803.0	1778.0	2592	2634	51.54	113.46	196.04	2811
1374.00	1805.8	1780.8	2592	2635	51.46	113.28	195.75	2806
1376.00	1808.8	1783.8	2593	2635	51.37	113.10	195.44	2912
1378.00	1811.6	1786.6	2593	2635	51.29	112.91	195.14	2887
1380.00	1814.4	1789.4	2593	2636	51.20	112.74	194.86	2807
1382.00	1817.4	1792.4	2594	2636	51.11	112.55	194.54	2985
1384.00	1820.4	1795.4	2594	2637	51.02	112.36	194.22	2954
1386.00	1823.3	1798.3	2595	2637	50.94	112.18	193.93	2883
1388.00	1826.3	1801.3	2595	2638	50.85	111.98	193.61	2990
1390.00	1829.1	1804.1	2596	2638	50.76	111.81	193.32	2848

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	1832.1	1807.1	2596	2639	50.67	111.62	193.00	2984
1394.00	1835.0	1810.0	2597	2639	50.59	111.44	192.71	2889
1396.00	1837.9	1812.9	2597	2639	50.50	111.25	192.41	2924
1398.00	1840.8	1815.8	2598	2640	50.42	111.07	192.10	2941
1400.00	1843.6	1818.6	2598	2640	50.34	110.91	191.83	2769
1402.00	1846.4	1821.4	2598	2640	50.26	110.74	191.56	2828
1404.00	1849.4	1824.4	2599	2641	50.18	110.56	191.26	2916
1406.00	1852.3	1827.3	2599	2641	50.09	110.38	190.97	2900
1408.00	1855.0	1830.0	2599	2641	50.02	110.22	190.71	2754
1410.00	1857.8	1832.8	2600	2641	49.94	110.06	190.43	2824
1412.00	1860.6	1835.6	2600	2642	49.86	109.90	190.17	2742
1414.00	1863.4	1838.4	2600	2642	49.79	109.73	189.90	2835
1416.00	1866.2	1841.2	2601	2642	49.71	109.57	189.64	2780
1418.00	1869.2	1844.2	2601	2643	49.63	109.39	189.33	2966
1420.00	1872.1	1847.1	2602	2643	49.54	109.21	189.04	2933
1422.00	1875.0	1850.0	2602	2643	49.46	109.05	188.76	2865
1424.00	1877.9	1852.9	2602	2644	49.38	108.87	188.47	2943
1426.00	1880.8	1855.8	2603	2644	49.30	108.70	188.19	2852
1428.00	1883.6	1858.6	2603	2644	49.22	108.54	187.92	2834
1430.00	1886.5	1861.5	2603	2645	49.14	108.37	187.64	2887
1432.00	1889.4	1864.4	2604	2645	49.06	108.19	187.35	2968
1434.00	1892.3	1867.3	2604	2646	48.98	108.02	187.07	2887
1436.00	1895.1	1870.1	2605	2646	48.91	107.86	186.81	2801
1438.00	1898.0	1873.0	2605	2646	48.83	107.70	186.54	2838

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	1900.7	1875.7	2605	2646	48.76	107.55	186.29	2757
1442.00	1903.5	1878.5	2605	2646	48.69	107.40	186.04	2778
1444.00	1906.3	1881.3	2606	2647	48.61	107.24	185.78	2801
1446.00	1909.0	1884.0	2606	2647	48.55	107.10	185.55	2663
1448.00	1911.6	1886.6	2606	2647	48.48	106.96	185.32	2661
1450.00	1914.4	1889.4	2606	2647	48.41	106.82	185.08	2729
1452.00	1917.1	1892.1	2606	2647	48.35	106.67	184.84	2728
1454.00	1919.7	1894.7	2606	2647	48.28	106.54	184.62	2592
1456.00	1922.2	1897.2	2606	2647	48.23	106.42	184.42	2531
1458.00	1924.9	1899.9	2606	2647	48.16	106.28	184.19	2673
1460.00	1927.6	1902.6	2606	2647	48.09	106.14	183.95	2704
1462.00	1930.3	1905.3	2606	2647	48.03	105.99	183.72	2721
1464.00	1933.0	1908.0	2607	2647	47.96	105.85	183.48	2722
1466.00	1935.8	1910.8	2607	2647	47.89	105.70	183.24	2746
1468.00	1938.5	1913.5	2607	2647	47.82	105.56	183.00	2752
1470.00	1941.3	1916.3	2607	2647	47.75	105.41	182.76	2748
1472.00	1944.1	1919.1	2607	2648	47.68	105.26	182.51	2805
1474.00	1946.9	1921.9	2608	2648	47.61	105.11	182.26	2809
1476.00	1949.7	1924.7	2608	2648	47.54	104.96	182.01	2809
1478.00	1952.6	1927.6	2608	2648	47.47	104.80	181.75	2883
1480.00	1955.3	1930.3	2609	2649	47.40	104.66	181.52	2730
1482.00	1958.2	1933.2	2609	2649	47.33	104.50	181.25	2896
1484.00	1961.0	1936.0	2609	2649	47.26	104.36	181.01	2786
1486.00	1963.9	1938.9	2610	2649	47.19	104.20	180.75	2902

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	1966.7	1941.7	2610	2650	47.12	104.05	180.50	2791
1490.00	1969.6	1944.6	2610	2650	47.04	103.89	180.24	2924
1492.00	1972.5	1947.5	2611	2650	46.97	103.74	179.97	2919
1494.00	1975.5	1950.5	2611	2651	46.89	103.58	179.71	2928
1496.00	1978.3	1953.3	2611	2651	46.82	103.43	179.46	2852
1498.00	1981.2	1956.2	2612	2651	46.75	103.27	179.21	2876
1500.00	1984.1	1959.1	2612	2652	46.68	103.11	178.94	2963
1502.00	1987.1	1962.1	2613	2652	46.60	102.95	178.67	2929
1504.00	1990.0	1965.0	2613	2653	46.53	102.79	178.41	2946
1506.00	1993.1	1968.1	2614	2653	46.45	102.62	178.12	3049
1508.00	1996.1	1971.1	2614	2654	46.37	102.46	177.85	2980
1510.00	1999.1	1974.1	2615	2654	46.29	102.29	177.57	3047
1512.00	2002.3	1977.3	2615	2655	46.21	102.11	177.26	3205
1514.00	2005.5	1980.5	2616	2656	46.12	101.92	176.95	3185
1516.00	2008.5	1983.5	2617	2656	46.04	101.76	176.67	3054
1518.00	2011.6	1986.6	2617	2657	45.97	101.59	176.40	3047
1520.00	2014.6	1989.6	2618	2657	45.89	101.43	176.13	2998
1522.00	2017.6	1992.6	2618	2658	45.81	101.27	175.86	3014
1524.00	2020.6	1995.6	2619	2658	45.74	101.10	175.58	3032
1526.00	2023.5	1998.5	2619	2659	45.67	100.95	175.34	2890
1528.00	2026.3	2001.3	2620	2659	45.60	100.82	175.11	2806
1530.00	2029.1	2004.1	2620	2659	45.54	100.68	174.88	2795
1532.00	2032.3	2007.3	2621	2660	45.46	100.50	174.57	3221
1534.00	2035.4	2010.4	2621	2661	45.38	100.33	174.29	3102

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	2038.5	2013.5	2622	2661	45.30	100.17	174.02	3044
1538.00	2041.5	2016.5	2622	2662	45.23	100.01	173.76	3016
1540.00	2044.6	2019.6	2623	2662	45.15	99.85	173.49	3062
1542.00	2047.6	2022.6	2623	2663	45.08	99.68	173.21	3065
1544.00	2050.6	2025.6	2624	2663	45.01	99.53	172.96	2957
1546.00	2053.5	2028.5	2624	2663	44.94	99.39	172.73	2877
1548.00	2056.3	2031.3	2624	2664	44.88	99.26	172.50	2800
1550.00	2059.1	2034.1	2625	2664	44.81	99.12	172.27	2860
1552.00	2062.0	2037.0	2625	2664	44.75	98.98	172.03	2887
1554.00	2064.8	2039.8	2625	2664	44.68	98.84	171.81	2830
1556.00	2067.7	2042.7	2626	2665	44.62	98.70	171.58	2838
1558.00	2070.5	2045.5	2626	2665	44.56	98.57	171.35	2857
1560.00	2073.4	2048.4	2626	2665	44.49	98.43	171.13	2824
1562.00	2076.2	2051.2	2626	2665	44.43	98.30	170.91	2800
1564.00	2079.0	2054.0	2627	2665	44.37	98.17	170.68	2847
1566.00	2081.8	2056.8	2627	2666	44.31	98.03	170.46	2811
1568.00	2084.7	2059.7	2627	2666	44.24	97.89	170.23	2904
1570.00	2087.7	2062.7	2628	2666	44.17	97.74	169.97	3015
1572.00	2090.8	2065.8	2628	2667	44.10	97.59	169.71	3051
1574.00	2093.7	2068.7	2629	2667	44.03	97.45	169.48	2945
1576.00	2096.7	2071.7	2629	2668	43.97	97.31	169.24	2921
1578.00	2099.5	2074.5	2629	2668	43.91	97.17	169.01	2880
1580.00	2102.4	2077.4	2630	2668	43.84	97.03	168.78	2908
1582.00	2105.3	2080.3	2630	2669	43.78	96.90	168.55	2886

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	2108.2	2083.2	2630	2669	43.71	96.76	168.32	2913
1586.00	2111.1	2086.1	2631	2669	43.65	96.62	168.10	2878
1588.00	2114.0	2089.0	2631	2669	43.59	96.49	167.87	2887
1590.00	2116.9	2091.9	2631	2670	43.53	96.35	167.65	2894
1592.00	2119.8	2094.8	2632	2670	43.46	96.22	167.42	2912
1594.00	2122.7	2097.7	2632	2670	43.40	96.08	167.19	2919
1596.00	2125.6	2100.6	2632	2671	43.34	95.94	166.96	2908
1598.00	2128.6	2103.6	2633	2671	43.27	95.81	166.73	2949
1600.00	2131.6	2106.6	2633	2671	43.21	95.67	166.49	2973
1602.00	2134.5	2109.5	2634	2672	43.14	95.52	166.26	2988
1604.00	2137.6	2112.6	2634	2672	43.07	95.38	166.01	3010
1606.00	2140.6	2115.6	2635	2673	43.01	95.24	165.77	3008
1608.00	2143.6	2118.6	2635	2673	42.94	95.09	165.53	3038
1610.00	2146.6	2121.6	2636	2674	42.87	94.95	165.30	2978
1612.00	2149.6	2124.6	2636	2674	42.81	94.81	165.05	3042
1614.00	2152.7	2127.7	2637	2675	42.74	94.66	164.80	3080
1616.00	2155.8	2130.8	2637	2675	42.67	94.51	164.56	3054
1618.00	2158.8	2133.8	2638	2676	42.60	94.37	164.31	3077
1620.00	2161.9	2136.9	2638	2676	42.54	94.22	164.07	3045
1622.00	2165.0	2140.0	2639	2677	42.47	94.07	163.82	3112
1624.00	2168.1	2143.1	2639	2677	42.40	93.93	163.57	3088
1626.00	2171.2	2146.2	2640	2678	42.33	93.78	163.33	3088
1628.00	2174.2	2149.2	2640	2678	42.27	93.64	163.09	3051
1630.00	2177.3	2152.3	2641	2679	42.20	93.49	162.84	3123

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	2180.4	2155.4	2641	2679	42.13	93.35	162.60	3061
1634.00	2183.5	2158.5	2642	2680	42.06	93.20	162.35	3098
1636.00	2186.6	2161.6	2643	2681	41.99	93.05	162.10	3133
1638.00	2189.8	2164.8	2643	2681	41.92	92.90	161.85	3152
1640.00	2192.9	2167.9	2644	2682	41.86	92.76	161.60	3115
1642.00	2196.0	2171.0	2644	2682	41.79	92.61	161.36	3117
1644.00	2199.1	2174.1	2645	2683	41.73	92.47	161.12	3057
1646.00	2202.2	2177.2	2645	2683	41.66	92.33	160.88	3107
1648.00	2205.4	2180.4	2646	2684	41.59	92.17	160.62	3226
1650.00	2208.5	2183.5	2647	2685	41.52	92.03	160.38	3116
1652.00	2211.8	2186.8	2647	2685	41.45	91.88	160.12	3249
1654.00	2215.0	2190.0	2648	2686	41.38	91.73	159.87	3177
1656.00	2218.1	2193.1	2649	2687	41.32	91.59	159.63	3099
1658.00	2221.2	2196.2	2649	2687	41.25	91.44	159.38	3188
1660.00	2224.2	2199.2	2650	2688	41.19	91.31	159.16	2966
1662.00	2227.2	2202.2	2650	2688	41.13	91.18	158.95	2967
1664.00	2230.2	2205.2	2651	2688	41.07	91.05	158.72	3065
1666.00	2233.4	2208.4	2651	2689	41.00	90.90	158.48	3134
1668.00	2236.3	2211.3	2651	2689	40.94	90.78	158.27	2973
1670.00	2239.2	2214.2	2652	2690	40.89	90.66	158.06	2899
1672.00	2242.2	2217.2	2652	2690	40.83	90.53	157.85	2987
1674.00	2245.1	2220.1	2652	2690	40.77	90.41	157.65	2889
1676.00	2248.1	2223.1	2653	2691	40.71	90.29	157.44	2931
1678.00	2251.1	2226.1	2653	2691	40.65	90.16	157.22	3029

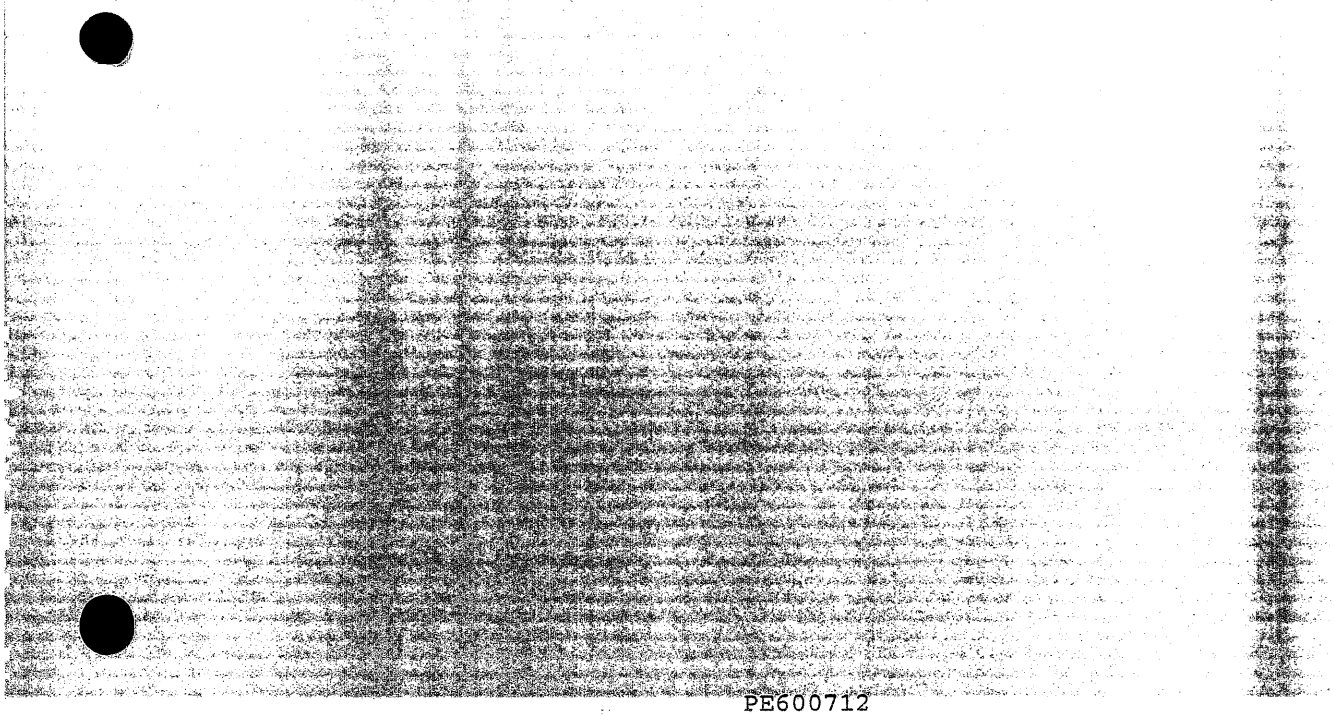
TWO-WAY TRAVEL TIME FROM SRD MS	MEASURED DEPTH FROM KB M	VERTICAL DEPTH FROM SRD M	AVERAGE VELOCITY SRD/GEO M/S	RMS VELOCITY M/S	FIRST NORMAL MOVEOUT MS	SECOND NORMAL MOVEOUT MS	THIRD NORMAL MOVEOUT MS	INTERVAL VELOCITY M/S
1680.00	2254.0	2229.0	2654	2691	40.60	90.04	157.02	2939
1682.00	2257.0	2232.0	2654	2692	40.54	89.91	156.80	3018
1684.00	2260.0	2235.0	2654	2692	40.48	89.79	156.60	2943
1686.00	2262.8	2237.8	2655	2692	40.43	89.68	156.41	2782
1688.00	2265.6	2240.6	2655	2692	40.38	89.56	156.22	2881
1690.00	2268.6	2243.6	2655	2693	40.32	89.44	156.01	2981
1692.00	2271.7	2246.7	2656	2693	40.26	89.30	155.78	3122
1694.00	2275.5	2250.5	2657	2695	40.17	89.10	155.44	3782
1696.00	2279.2	2254.2	2658	2696	40.08	88.92	155.12	3672
1698.00	2282.8	2257.8	2659	2698	40.00	88.73	154.81	3646
1700.00	2286.3	2261.3	2660	2699	39.92	88.57	154.53	3469
1702.00	2289.7	2264.7	2661	2700	39.85	88.41	154.26	3421
1704.00	2293.2	2268.2	2662	2701	39.77	88.24	153.97	3497
1706.00	2296.6	2271.6	2663	2701	39.70	88.08	153.71	3367
1708.00	2299.9	2274.9	2664	2702	39.63	87.94	153.47	3258
1710.00	2303.3	2278.3	2665	2703	39.56	87.78	153.20	3400
1712.00	2306.8	2281.8	2666	2704	39.48	87.61	152.91	3558
1714.00	2310.7	2285.7	2667	2706	39.39	87.41	152.56	3908
1716.00	2314.8	2289.8	2669	2708	39.29	87.19	152.19	4030
1718.00	2318.8	2293.8	2670	2710	39.19	86.97	151.82	4059
1720.00	2322.7	2297.7	2672	2712	39.09	86.77	151.48	3909
1722.00	2326.6	2301.6	2673	2713	39.00	86.57	151.14	3874
1724.00	2330.5	2305.5	2675	2715	38.91	86.37	150.79	3929
1726.00	2334.5	2309.5	2676	2717	38.81	86.16	150.44	3998

TWO-WAY TRAVEL TIME FROM SRD MS	MEASURED DEPTH FROM KB M	VERTICAL DEPTH FROM SRD M	AVERAGE VELOCITY SRD/GEO M/S	RMS VELOCITY M/S	FIRST NORMAL MOVEOUT MS	SECOND NORMAL MOVEOUT MS	THIRD NORMAL MOVEOUT MS	INTERVAL VELOCITY M/S
1728.00	2338.3	2313.3	2677	2718	38.73	85.98	150.13	3732
1730.00	2341.9	2316.9	2679	2719	38.65	85.80	149.83	3681
1732.00	2345.9	2320.9	2680	2721	38.56	85.60	149.49	3943
1734.00	2349.8	2324.8	2681	2723	38.47	85.40	149.15	3909
1736.00	2353.8	2328.8	2683	2725	38.37	85.19	148.80	4045
1738.00	2357.5	2332.5	2684	2726	38.29	85.02	148.50	3690
1740.00	2361.0	2336.0	2685	2727	38.22	84.87	148.24	3498
1742.00	2364.5	2339.5	2686	2728	38.15	84.72	147.98	3469
1744.00	2367.9	2342.9	2687	2729	38.08	84.57	147.74	3397
1746.00	2371.6	2346.6	2688	2730	38.00	84.40	147.44	3723
1748.00	2375.3	2350.3	2689	2731	37.93	84.23	147.16	3647
1750.00	2378.9	2353.9	2690	2733	37.85	84.06	146.87	3679
1752.00	2382.5	2357.5	2691	2734	37.78	83.90	146.60	3568
1754.00	2386.1	2361.1	2692	2735	37.70	83.74	146.33	3633
1756.00	2389.6	2364.6	2693	2736	37.63	83.59	146.07	3487
1758.00	2393.2	2368.2	2694	2737	37.56	83.44	145.81	3562
1760.00	2396.6	2371.6	2695	2738	37.50	83.30	145.57	3381
1762.00	2400.1	2375.1	2696	2739	37.43	83.14	145.30	3583
1764.00	2403.8	2378.8	2697	2740	37.35	82.98	145.02	3693
1766.00	2407.0	2382.0	2698	2741	37.30	82.86	144.82	3146
1768.00	2410.5	2385.5	2698	2742	37.23	82.71	144.57	3472
1770.00	2413.9	2388.9	2699	2743	37.17	82.57	144.34	3421
1772.00	2417.2	2392.2	2700	2743	37.10	82.44	144.11	3324
1774.00	2420.6	2395.6	2701	2744	37.04	82.30	143.87	3425

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
1776.00	2424.2	2399.2	2702	2745	36.97	82.15	143.62	3558
1778.00	2427.7	2402.7	2703	2746	36.90	82.01	143.37	3523
1780.00	2430.8	2405.8	2703	2747	36.85	81.89	143.18	3115
1782.00	2434.5	2409.5	2704	2748	36.78	81.74	142.91	3635
1784.00	2437.8	2412.8	2705	2749	36.72	81.60	142.69	3364
1786.00	2441.6	2416.6	2706	2750	36.65	81.44	142.41	3728
1788.00	2445.1	2420.1	2707	2751	36.58	81.30	142.17	3503
1790.00	2448.4	2423.4	2708	2752	36.52	81.17	141.94	3393
1792.00	2452.0	2427.0	2709	2753	36.45	81.02	141.69	3585
1794.00	2455.6	2430.6	2710	2754	36.38	80.87	141.44	3553
1796.00	2458.8	2433.8	2710	2754	36.33	80.75	141.23	3255
1798.00	2462.0	2437.0	2711	2755	36.28	80.63	141.03	3204
1800.00	2465.6	2440.6	2712	2756	36.21	80.49	140.78	3582
1802.00	2469.0	2444.0	2713	2757	36.15	80.36	140.57	3339
1804.00	2472.5	2447.5	2713	2758	36.09	80.22	140.33	3512
1806.00	2476.1	2451.1	2714	2759	36.02	80.08	140.08	3606
1808.00	2479.8	2454.8	2715	2760	35.95	79.92	139.82	3703
1810.00	2483.6	2458.6	2717	2761	35.87	79.76	139.54	3820
1812.00	2487.3	2462.3	2718	2763	35.80	79.60	139.28	3704
1814.00	2491.0	2466.0	2719	2764	35.73	79.45	139.01	3726
1816.00	2494.8	2469.8	2720	2765	35.66	79.29	138.74	3803
1818.00	2498.5	2473.5	2721	2766	35.59	79.14	138.48	3674
1820.00	2502.0	2477.0	2722	2767	35.53	79.01	138.26	3455
1822.00	2505.4	2480.4	2723	2768	35.47	78.88	138.04	3430

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
1824.00	2509.0	2484.0	2724	2769	35.41	78.74	137.79	3643
1826.00	2513.0	2488.0	2725	2771	35.33	78.57	137.51	3917
1828.00	2516.7	2491.7	2726	2772	35.26	78.42	137.24	3766
1830.00	2520.2	2495.2	2727	2773	35.20	78.29	137.02	3484
1832.00	2524.0	2499.0	2728	2774	35.13	78.13	136.75	3839
1834.00	2527.6	2502.6	2729	2775	35.07	77.99	136.52	3539
1836.00	2531.2	2506.2	2730	2776	35.00	77.85	136.28	3644
1838.00	2534.8	2509.8	2731	2777	34.94	77.72	136.05	3569
1840.00	2538.5	2513.5	2732	2778	34.87	77.57	135.79	3741
1842.00	2542.1	2517.1	2733	2779	34.81	77.43	135.56	3606
1844.00	2545.7	2520.7	2734	2780	34.75	77.30	135.34	3505
1846.00	2549.4	2524.4	2735	2782	34.68	77.16	135.09	3706
1848.00	2553.0	2528.0	2736	2783	34.62	77.02	134.85	3688
1850.00	2556.8	2531.8	2737	2784	34.55	76.87	134.60	3762
1852.00	2560.3	2535.3	2738	2785	34.49	76.74	134.38	3536
1854.00	2563.8	2538.8	2739	2786	34.43	76.61	134.16	3460
1856.00	2567.6	2542.6	2740	2787	34.37	76.47	133.91	3795
1858.00	2571.4	2546.4	2741	2788	34.30	76.32	133.66	3754
1860.00	2575.2	2550.2	2742	2789	34.23	76.17	133.40	3829
1862.00	2579.2	2554.2	2743	2791	34.16	76.01	133.13	3995
1864.00	2582.9	2557.9	2745	2792	34.09	75.87	132.89	3707
1866.00	2586.6	2561.6	2746	2793	34.03	75.73	132.65	3688
1868.00	2590.2	2565.2	2746	2794	33.97	75.60	132.42	3631
1870.00	2593.6	2568.6	2747	2795	33.92	75.49	132.23	3361

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	2597.4	2572.4	2748	2796	33.85	75.34	131.98	3832
1874.00	2601.1	2576.1	2749	2797	33.79	75.20	131.74	3712
1876.00	2604.8	2579.8	2750	2799	33.73	75.07	131.51	3708
1878.00	2608.5	2583.5	2751	2800	33.66	74.93	131.28	3708
1880.00	2612.2	2587.2	2752	2801	33.60	74.79	131.05	3708



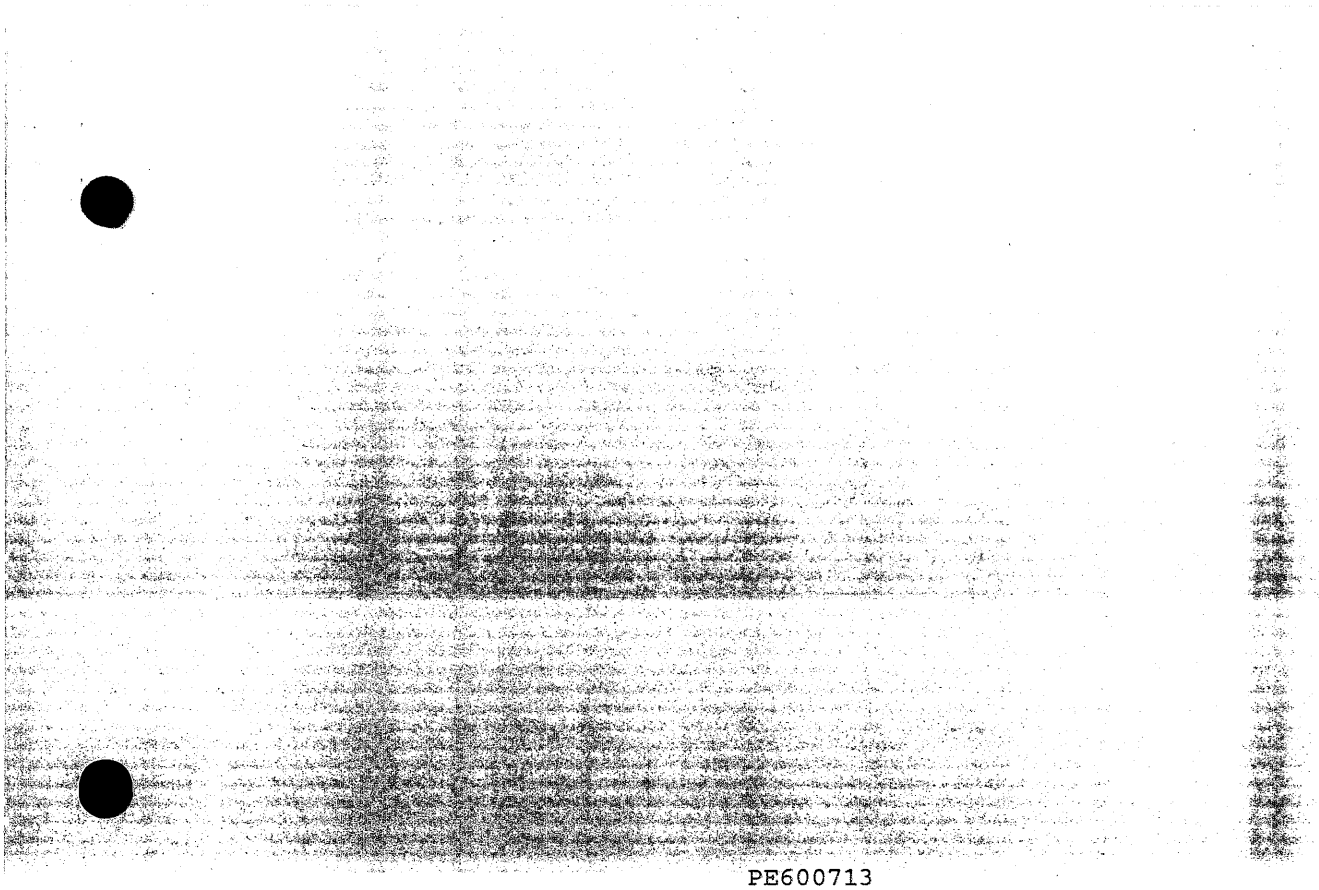
PE600712

This is an enclosure indicator page.
The enclosure PE600712 is enclosed within the container PE907954 at this location in this document.

The enclosure PE600712 has the following characteristics:

ITEM_BARCODE	= PE600712
CONTAINER_BARCODE	= PE907954
NAME	= Vertical Seismic Profile
BASIN	= GIPPSLAND
PERMIT	=
TYPE	= WELL
SUBTYPE	= VELOCITY_CHART
DESCRIPTION	= Vertical Seismic Profile - Plot 1 Stacked Data (enclosure from Geogram Processing Report--attachment to WCR) for Orange Roughy-1
REMARKS	=
DATE_CREATED	= 21/07/95
DATE_RECEIVED	= 28/07/95
W_NO	= W1121
WELL_NAME	= Orange Roughy -1
CONTRACTOR	= Schlumberger
CLIENT_OP_CO	= ESSO AUSTRALIA LTD

(Inserted by DNRE - Vic Govt Mines Dept)



PE600713

This is an enclosure indicator page.
The enclosure PE600713 is enclosed within the container PE907954 at this location in this document.

The enclosure PE600713 has the following characteristics:

ITEM_BARCODE	= PE600713
CONTAINER_BARCODE	= PE907954
NAME	= Vertical Seismic Profile
BASIN	= GIPPSLAND
PERMIT	=
TYPE	= WELL
SUBTYPE	= VELOCITY_CHART
DESCRIPTION	= Vertical Seismic Profile - Plot 2 Amplitude Recovery (enclosure from Geogram Processing Report--attachment to WCR) for Orange Roughy-1
REMARKS	=
DATE_CREATED	= 21/07/95
DATE_RECEIVED	= 28/07/95
W_NO	= W1121
WELL_NAME	= Orange Roughy -1
CONTRACTOR	= Schlumberger
CLIENT_OP_CO	= ESSO AUSTRALIA LTD

(Inserted by DNRE - Vic Govt Mines Dept)

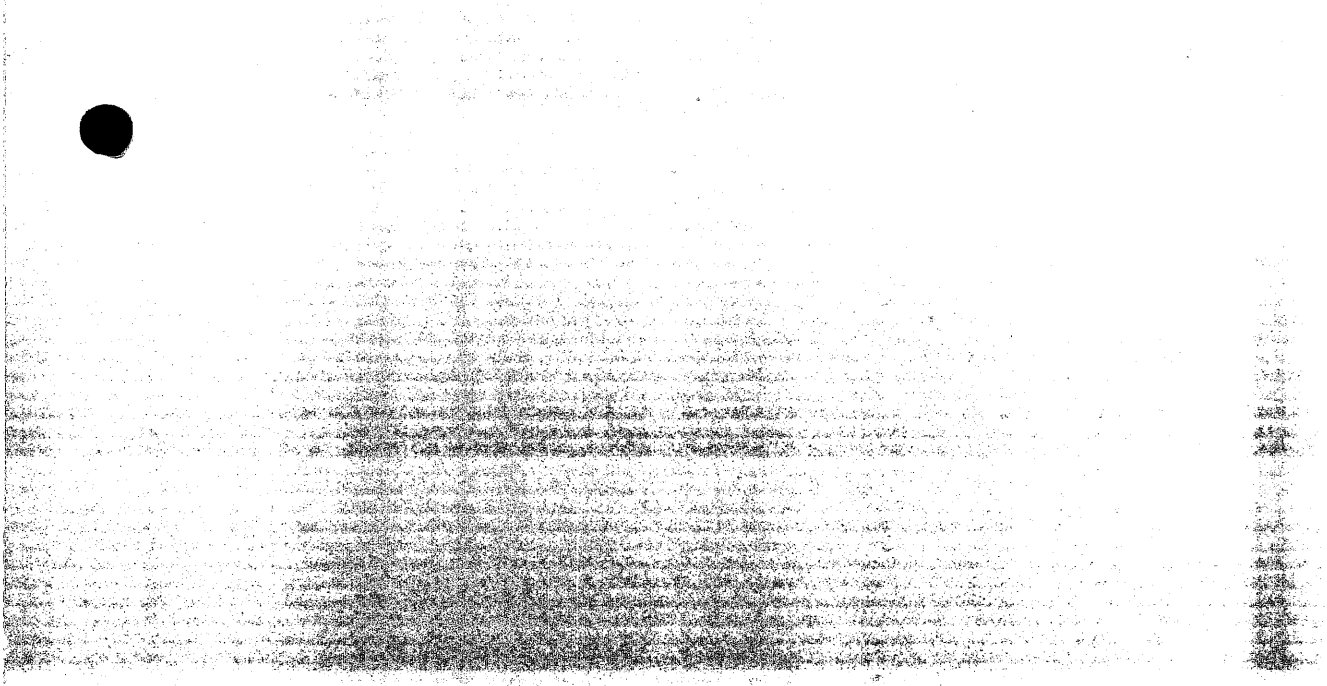
PE600714

This is an enclosure indicator page.
The enclosure PE600714 is enclosed within the container PE907954 at this location in this document.

The enclosure PE600714 has the following characteristics:

ITEM_BARCODE	= PE600714
CONTAINER_BARCODE	= PE907954
NAME	= Vertical Seismic Profile
BASIN	= GIPPSLAND
PERMIT	=
TYPE	= WELL
SUBTYPE	= VELOCITY_CHART
DESCRIPTION	= Vertical Seismic Profile - Plot 3 Velocity Filtering (enclosure from Geogram Processing Report--attachment to WCR) for Orange Roughy-1
REMARKS	=
DATE_CREATED	= 21/07/95
DATE_RECEIVED	= 28/07/95
W_NO	= W1121
WELL_NAME	= Orange Roughy -1
CONTRACTOR	= Schlumberger
CLIENT_OP_CO	= ESSO AUSTRALIA LTD

(Inserted by DNRE - Vic Govt Mines Dept)



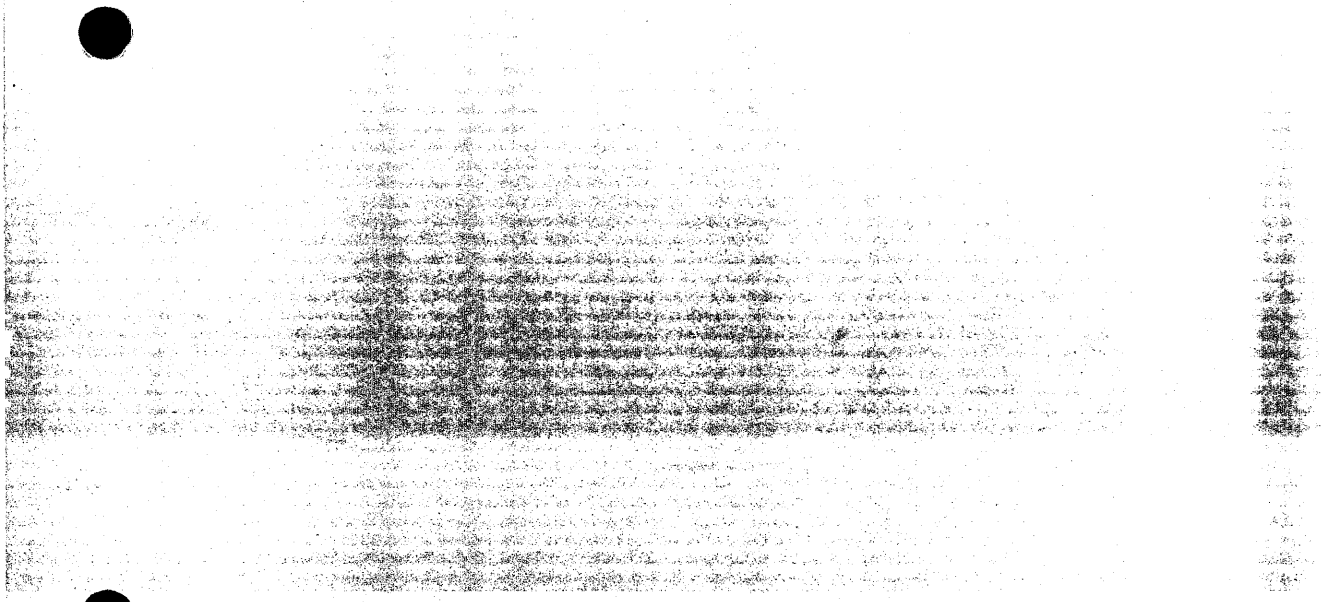
PE600715

This is an enclosure indicator page.
The enclosure PE600715 is enclosed within the container PE907954 at this location in this document.

The enclosure PE600715 has the following characteristics:

ITEM_BARCODE	= PE600715
CONTAINER_BARCODE	= PE907954
NAME	= Vertical Seismic Profile
BASIN	= GIPPSLAND
PERMIT	=
TYPE	= WELL
SUBTYPE	= VELOCITY_CHART
DESCRIPTION	= Vertical Seismic Profile - Plot 4 Waveshaping Deconvolution (enclosure from Geogram Processing Report--attachment to WCR) for Orange Roughy-1
REMARKS	=
DATE_CREATED	= 21/07/95
DATE_RECEIVED	= 28/07/95
W_NO	= W1121
WELL_NAME	= Orange Roughy -1
CONTRACTOR	= Schlumberger
CLIENT_OP_CO	= ESSO AUSTRALIA LTD

(Inserted by DNRE - Vic Govt Mines Dept)



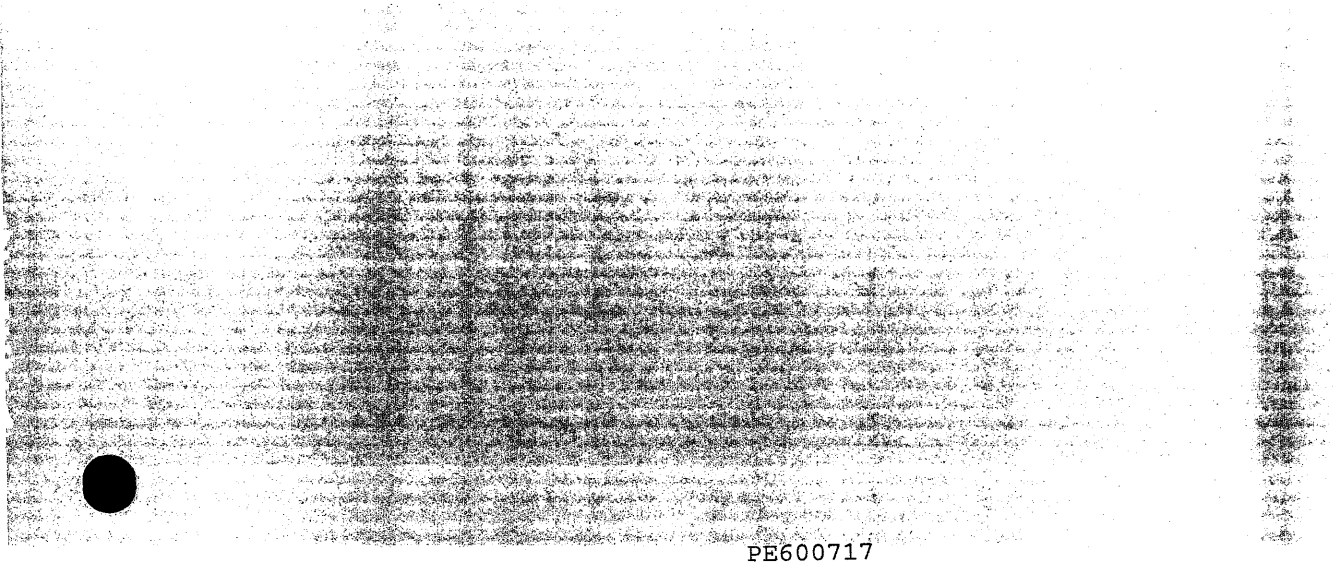
PE600716

This is an enclosure indicator page.
The enclosure PE600716 is enclosed within the container PE907954 at this location in this document.

The enclosure PE600716 has the following characteristics:

ITEM_BARCODE	= PE600716
CONTAINER_BARCODE	= PE907954
NAME	= Vertical Seismic Profile
BASIN	= GIPPSLAND
PERMIT	=
TYPE	= WELL
SUBTYPE	= VELOCITY_CHART
DESCRIPTION	= Vertical Seismic Profile - Plot 5 Waveshaping & Corridor Stack (enclosure from Geogram Processing Report--attachment to WCR) for Orange Roughy-1
REMARKS	=
DATE_CREATED	= 21/07/95
DATE_RECEIVED	= 28/07/95
W_NO	= W1121
WELL_NAME	= Orange Roughy -1
CONTRACTOR	= Schlumberger
CLIENT_OP_CO	= ESSO AUSTRALIA LTD

(Inserted by DNRE - Vic Govt Mines Dept)



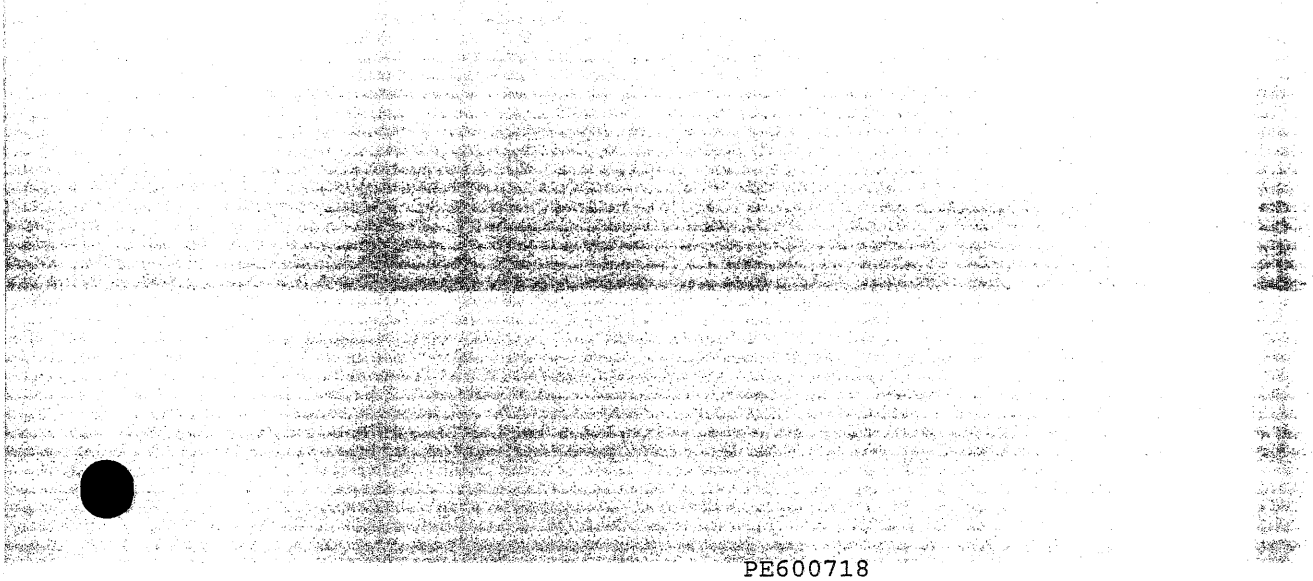
PE600717

This is an enclosure indicator page.
The enclosure PE600717 is enclosed within the container PE907954 at this location in this document.

The enclosure PE600717 has the following characteristics:

ITEM_BARCODE	= PE600717
CONTAINER_BARCODE	= PE907954
NAME	= Vertical Seismic Profile
BASIN	= GIPPSLAND
PERMIT	=
TYPE	= WELL
SUBTYPE	= VELOCITY_CHART
DESCRIPTION	= Vertical Seismic Profile - Plot 6 VSP and Geogram Composite (enclosure from Geogram Processing Report--attachment to WCR) for Orange Roughy-1
REMARKS	=
DATE_CREATED	= 21/07/95
DATE_RECEIVED	= 28/07/95
W_NO	= W1121
WELL_NAME	= Orange Roughy -1
CONTRACTOR	= Schlumberger
CLIENT_OP_CO	= ESSO AUSTRALIA LTD

(Inserted by DNRE - Vic Govt Mines Dept)



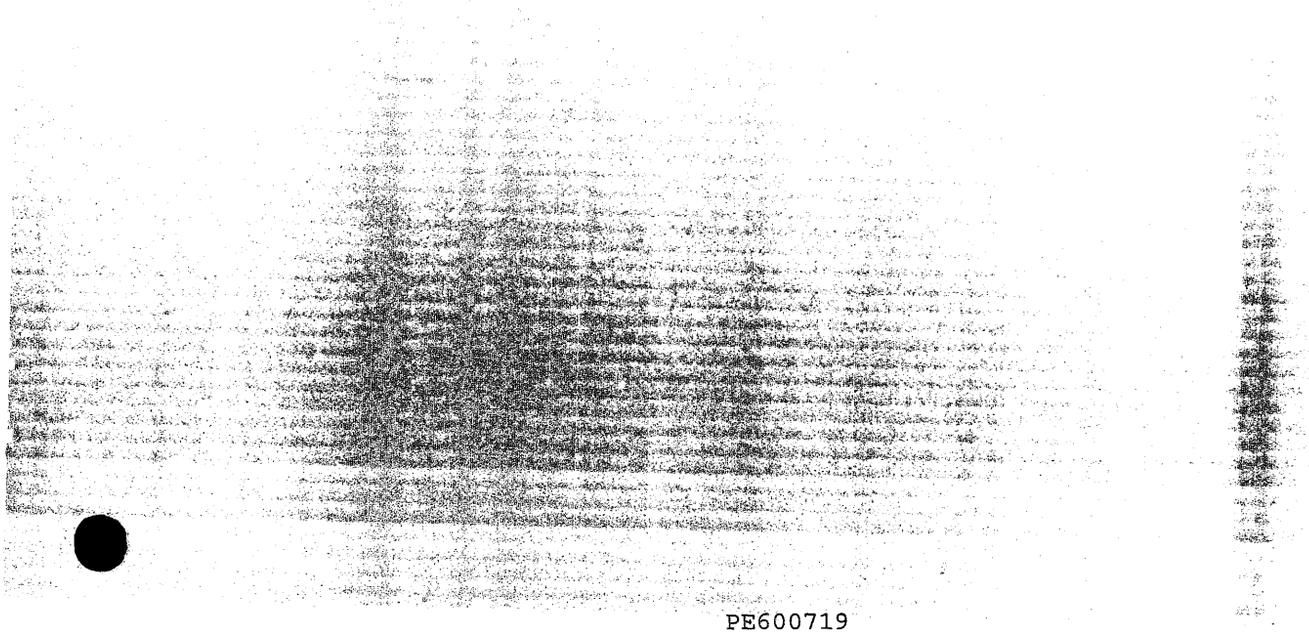
PE600718

This is an enclosure indicator page.
The enclosure PE600718 is enclosed within the container PE907954 at this location in this document.

The enclosure PE600718 has the following characteristics:

ITEM_BARCODE	= PE600718
CONTAINER_BARCODE	= PE907954
NAME	= Vertical Seismic Profile
BASIN	= GIPPSLAND
PERMIT	=
TYPE	= WELL
SUBTYPE	= VELOCITY_CHART
DESCRIPTION	= Vertical Seismic Profile - Plot 7 VSP and Geogram Composite (enclosure from Geogram Processing Report--attachment to WCR) for Orange Roughy-1
REMARKS	=
DATE_CREATED	= 21/07/95
DATE_RECEIVED	= 28/07/95
W_NO	= W1121
WELL_NAME	= Orange Roughy -1
CONTRACTOR	= Schlumberger
CLIENT_OP_CO	= ESSO AUSTRALIA LTD

(Inserted by DNRE - Vic Govt Mines Dept)



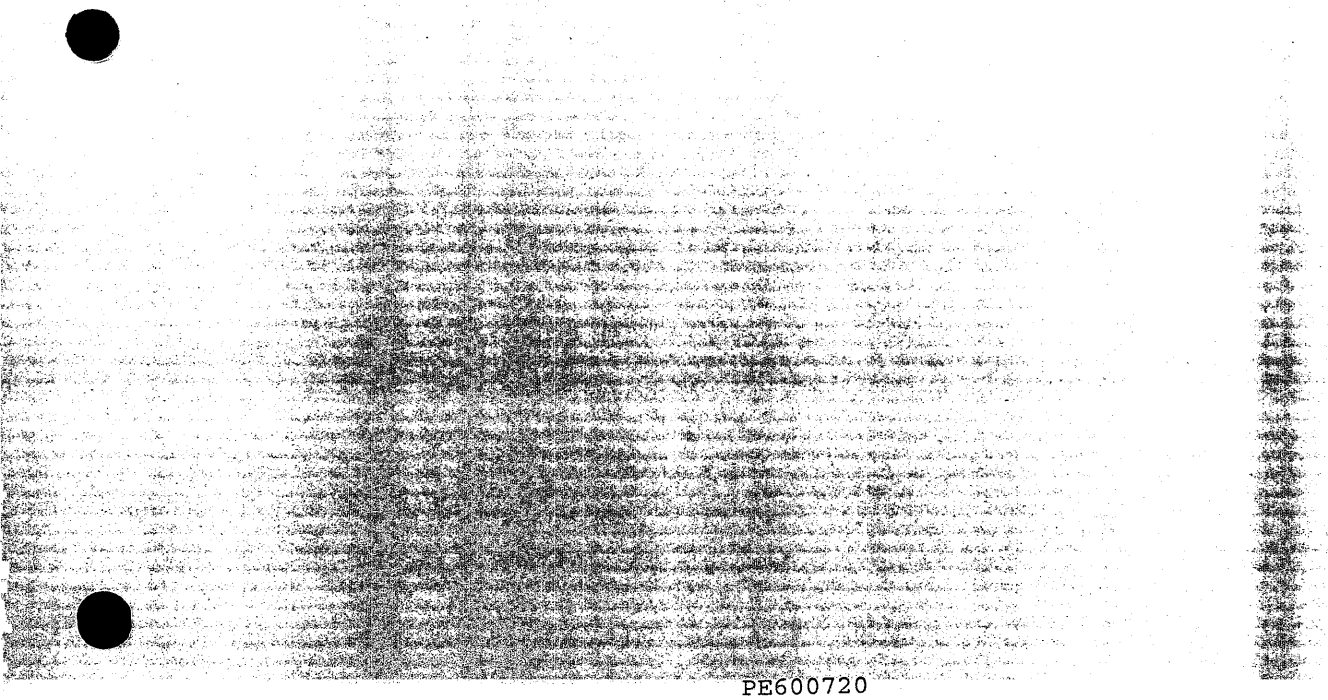
PE600719

This is an enclosure indicator page.
The enclosure PE600719 is enclosed within the container PE907954 at this location in this document.

The enclosure PE600719 has the following characteristics:

ITEM_BARCODE	= PE600719
CONTAINER_BARCODE	= PE907954
NAME	= Geogram - Synthetic Siesmogram 25Hz
BASIN	= GIPPSLAND
PERMIT	=
TYPE	= WELL
SUBTYPE	= SYNTH_SEISMOGRAM
DESCRIPTION	= Geogram - Synthetic Siesmogram 25Hz (enclosure from Geogram Processing Report--attachment to WCR) for Orange Roughy-1
REMARKS	=
DATE_CREATED	= 21/07/95
DATE_RECEIVED	= 28/07/95
W_NO	= W1121
WELL_NAME	= Orange Roughy -1
CONTRACTOR	= Schlumberger
CLIENT_OP_CO	= ESSO AUSTRALIA LTD

(Inserted by DNRE - Vic Govt Mines Dept)



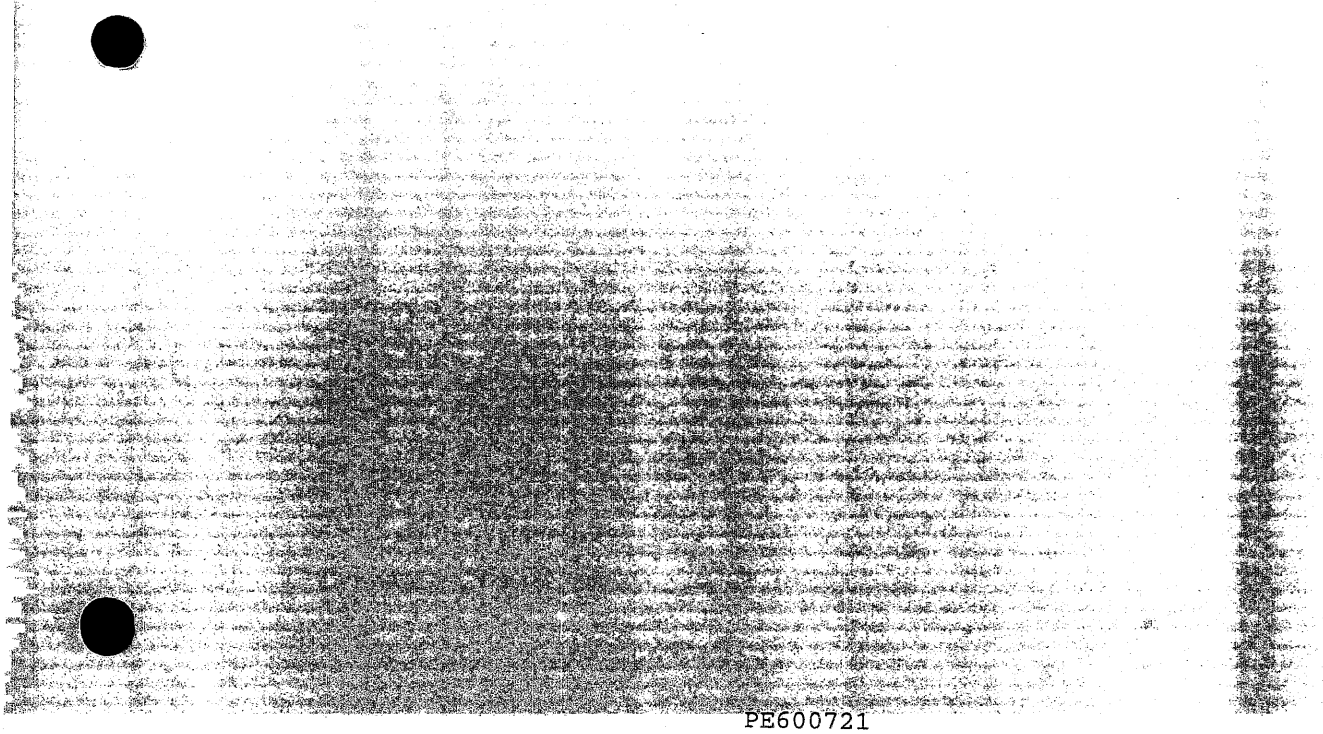
PE600720

This is an enclosure indicator page.
The enclosure PE600720 is enclosed within the container PE907954 at this location in this document.

The enclosure PE600720 has the following characteristics:

ITEM_BARCODE	= PE600720
CONTAINER_BARCODE	= PE907954
NAME	= Geogram - Synthetic Siesmogram 35Hz
BASIN	= GIPPSLAND
PERMIT	=
TYPE	= WELL
SUBTYPE	= SYNTH_SEISMOGRAM
DESCRIPTION	= Geogram - Synthetic Siesmogram 35Hz (enclosure from Geogram Processing Report--attachment to WCR) for Orange Roughy-1
REMARKS	=
DATE_CREATED	= 21/07/95
DATE_RECEIVED	= 28/07/95
W_NO	= W1121
WELL_NAME	= Orange Roughy -1
CONTRACTOR	= Schlumberger
CLIENT_OP_CO	= ESSO AUSTRALIA LTD

(Inserted by DNRE - Vic Govt Mines Dept)



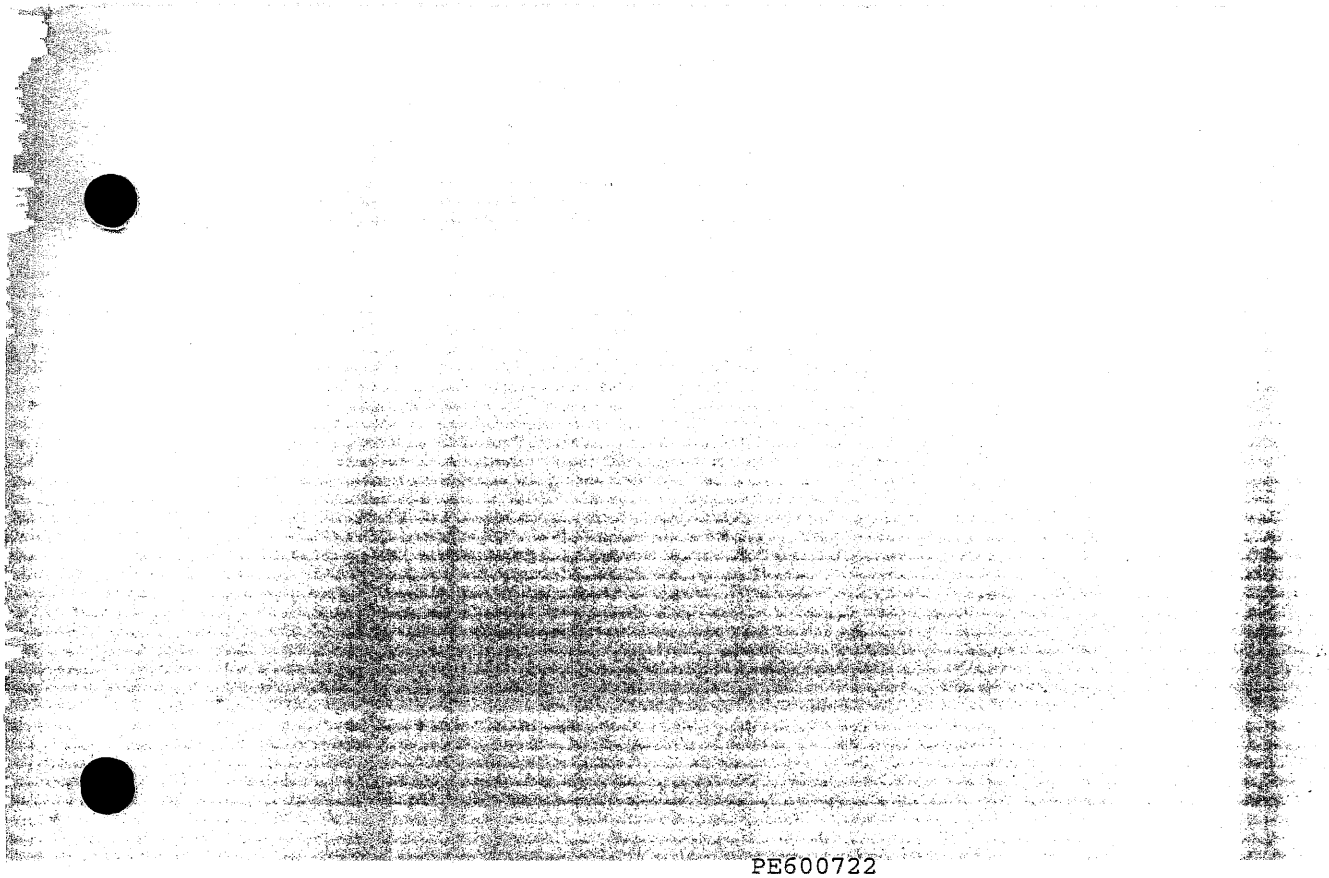
PE600721

This is an enclosure indicator page.
The enclosure PE600721 is enclosed within the container PE907954 at this location in this document.

The enclosure PE600721 has the following characteristics:

ITEM_BARCODE	= PE600721
CONTAINER_BARCODE	= PE907954
NAME	= Geogram - Synthetic Siesmogram 45Hz
BASIN	= GIPPSLAND
PERMIT	=
TYPE	= WELL
SUBTYPE	= SYNTH_SEISMOGRAM
DESCRIPTION	= Geogram - Synthetic Siesmogram 45Hz (enclosure from Geogram Processing Report--attachment to WCR) for Orange Roughy-1
REMARKS	=
DATE_CREATED	= 21/07/95
DATE_RECEIVED	= 28/07/95
W_NO	= W1121
WELL_NAME	= Orange Roughy -1
CONTRACTOR	= Schlumberger
CLIENT_OP_CO	= ESSO AUSTRALIA LTD

(Inserted by DNRE - Vic Govt Mines Dept)



PE600722

This is an enclosure indicator page.
The enclosure PE600722 is enclosed within the container PE907954 at this location in this document.

The enclosure PE600722 has the following characteristics:

ITEM_BARCODE	= PE600722
CONTAINER_BARCODE	= PE907954
NAME	= Drift Corrected Sonic
BASIN	= GIPPSLAND
PERMIT	=
TYPE	= WELL
SUBTYPE	= WELL_LOG
DESCRIPTION	= Drift Corrected Sonic (enclosure from Geogram Processing Report--attachment to WCR) for Orange Roughy-1
REMARKS	=
DATE_CREATED	= 21/07/95
DATE_RECEIVED	= 28/07/95
W_NO	= W1121
WELL_NAME	= Orange Roughy -1
CONTRACTOR	= Schlumberger
CLIENT_OP_CO	= ESSO AUSTRALIA LTD

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PE600723

This is an enclosure indicator page.
The enclosure PE600723 is enclosed within the container PE907954 at this location in this document.

The enclosure PE600723 has the following characteristics:

ITEM_BARCODE	= PE600723
CONTAINER_BARCODE	= PE907954
NAME	= Seismic Calibration Log
BASIN	= GIPPSLAND
PERMIT	=
TYPE	= WELL
SUBTYPE	= VELOCITY_CHART
DESCRIPTION	= Sonic Calibration Log (enclosure from Geogram Processing Report--attachment to WCR) for Orange Roughy-1
REMARKS	=
DATE_CREATED	= 21/07/95
DATE_RECEIVED	= 28/07/95
W_NO	= W1121
WELL_NAME	= Orange Roughy -1
CONTRACTOR	= Schlumberger
CLIENT_OP_CO	= ESSO AUSTRALIA LTD

(Inserted by DNRE - Vic Govt Mines Dept)