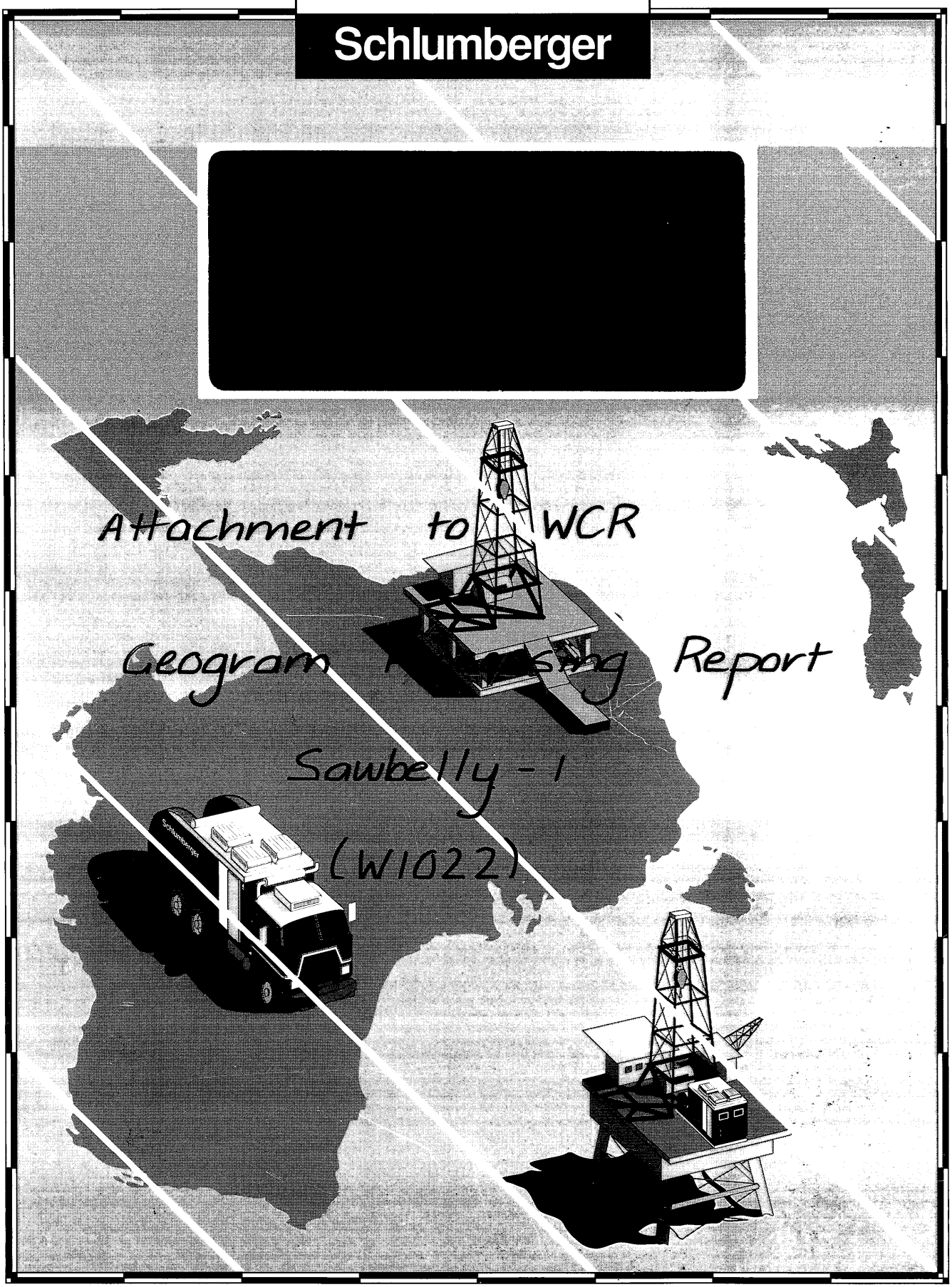
Schlumberger

[redacted]



Schlumberger

ESSO AUSTRALIA LTD.

GEOGRAM PROCESSING REPORT

SAWBELLY-1

FIELD	:	WILDCAT
COUNTRY	:	AUSTRALIA
COORDINATES	:	038 deg 22' 31.0" S 148 deg 02' 05.9" E
DATE OF SURVEY	:	22-MAR-1990
REFERENCE NO.	:	540770

Contents

List of Tables

List of Figures

1. Introduction

A checkshot survey was shot in the SAWBELLY-1 well on 22 March 1990. Data was acquired using an airgun source located near the wellhead. Eleven checklevels were shot from 3068 metres to 798.5 metres below KB. Good quality data was obtained.

2. Data Acquisition

The data was acquired using the well seismic tool (WST). Recording was made on the Schlumberger Cyber Service Unit (CSU) using LIS format at a tape density of 1600 BPI.

Table 1: Survey Parameters

Datum	MSL
Elevation KB	21.0 metres AMSL
Elevation DF	20.7 metres AMSL
Elevation GL	-63.0 metres AMSL
Total Depth	3068 metres below KB
Energy Source	Airgun
Source Offset	40 metres
Source Depth	5.0 metres
Hydrophone Depth	10 metres
Reference Sensor	Hydrophone
Geophone	Geospace HS-1 High Temp. (350 deg F) Coil Resist. 225Ω $\pm$10 % Natural Freq. 8-12 hertz Sensitivity 0.45 V/in/sec Maximum tilt angle 60 deg

3. Sonic Calibration Processing

3.1 Sonic Calibration

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

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

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

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

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

Two methods of correction to the sonic log are used.

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

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

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

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

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

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

3.2 Checkshot Data

Eleven checklevels were shot from 3068 metres to 798.5 metres below KB. Good quality data was obtained for all levels. The stacked checkshot data is displayed in Figure 2.

3.3 Correction to Datum

The sonic calibration processing has been referenced to datum of MSL using a water velocity of 1524 m/s.

3.4 Open Hole Logs

The sonic log was recorded during two suites from 3043 metres to the casing shoe at 199 metres below KB. The sonic log is of good quality and has been edited for any noise spikes or cycle skipping. The density log was recorded during suite 2 from 3063 metres below KB to the casing shoe at 798 metres below KB and is of good quality.

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

3.5 Sonic Calibration Results

The general trends of the points on the drift curve have been followed in formulating the calibration. Above 798.5 metres below KB there is no check level control and a zero shift has been applied over the interval from 786.5 to the top of the sonic log at 206.0 meres below KB. The rest of the calibration is well controlled by the check level data.

Table 2: Sonic Drift

Depth Interval (metres below KB)	Block Shift μsec/m	Δt_{min} μsec/m	Reduction Factor G	Equiv Block Shift μsec/m
206.0-786.5	0.0	-	-	0.0
786.5-2034.0	9.78	-	-	9.78
2034.0-2265.0	0.0	-	-	0.0
2265.0-3067.8	15.94	-	-	15.94

4. Synthetic Seismogram Processing

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

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

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

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

4.1 Depth to Time Conversion

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

4.2 Primary Reflection Coefficients

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

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

where:

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

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

4.3 Primaries with Transmission Loss

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

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

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

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

4.4 Primaries plus Multiples

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

4.5 Multiples Only

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

4.6 Wavelet

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

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

Time variant Butterworth filtering can be applied after convolution.

4.7 Polarity Convention

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

4.8 Convolution

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

A Summary of Geophysical Listings

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

A1 Geophysical Airgun Report

1. Level number : the level number starting from the top level (includes any imposed shots).
2. Measured depth from KB : *dkb*, the depth in metres from kelly bushing .
3. Vertical depth from SRD : *dsrd*, the depth in metres from seismic reference datum.
4. Vertical depth from GL : *dgl*, the depth in metres from ground level.
5. Observed travel time HYD to GEO : *tim*0, the transit time picked from the stacked data by subtracting the surface sensor first break time from the downhole sensor first break time.
6. Vertical travel time SRC to GEO : *timv*, is corrected for source to hydrophone distance and for source offset.
7. Vertical travel time SRD to GEO : *shtm*, is *timv* corrected for the vertical distance between source and datum.
8. Average velocity SRD to GEO : the average seismic velocity from datum to the corresponding checkshot level, $\frac{dsrd}{shtm}$.
9. Delta depth between shots : $\Delta depth$, the vertical distance between each level.
10. Delta time between shots : $\Delta time$, the difference in vertical travel time (*shtm*) between each level.
11. Interval velocity between shots : the average seismic velocity between each level, $\frac{\Delta depth}{\Delta time}$.

A2 Drift Computation Report

1. Level number : the level number starting from the top level (includes any imposed shots).
2. Vertical depth from KB : the depth in metres from kelly bushing .
3. Vertical depth from SRD : the depth in metres from seismic reference datum.
4. Vertical depth from GL : the depth in metres from ground level.
5. Vertical travel time SRD to GEO : the calculated vertical travel time from datum to downhole geophone (see column 7, Geophysical Airgun Report).

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

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

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

A3 Sonic Adjustment Parameter Report

1. Knee number : the knee number starting from the highest knee. (The first knees listed will generally be at SRD and the top of sonic. The drift imposed at these knees will normally be zero.)

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

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

4. Vertical depth from GL : the depth in metres from ground level.

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

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

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

8. Reduction factor : see section 4 of report.

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

A4 Velocity Report

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

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

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

4. Vertical depth from GL : the depth in metres from ground level

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

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

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

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

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

A5 Time Converted Velocity Report

The data in this listing has been resampled in time.

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

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

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

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

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

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

where v_i is the velocity between each 2 millisecs interval.

6. First normal moveout : the correction time in millisecs to be applied to the two way travel time for a specified moveout distance (default = 3000 feet).

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

where:

Δt = normal moveout (secs)
X = moveout distance (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 time for a specified moveout distance (default = 4500 feet).

8. Third normal moveout : the correction time in millisecs to be applied to the two way travel time for a specified moveout distance (default = 6000 feet).

9. Interval velocity : the velocity between each sampled depth. Typically, the sampling rate is 2 millisecs two way time, (1 millisec one way time) therefore the interval velocity will be equal to the depth increment divided by 0.001. It is equivalent to column 9 from the the Velocity Report.

FIGURE 1

SCHLUMBERGER (SEG-1976) WAVELET POLARITY CONVENTION

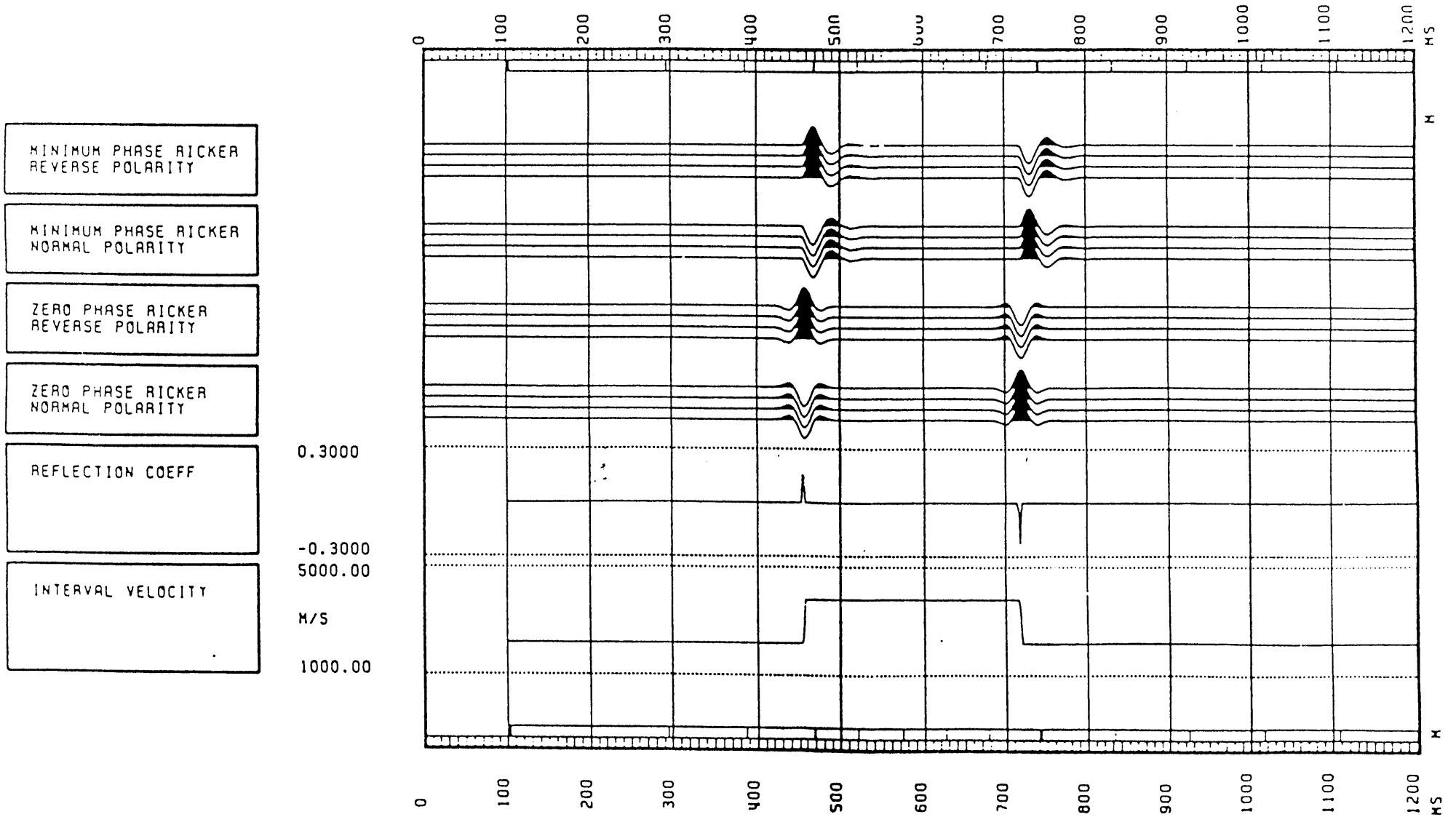
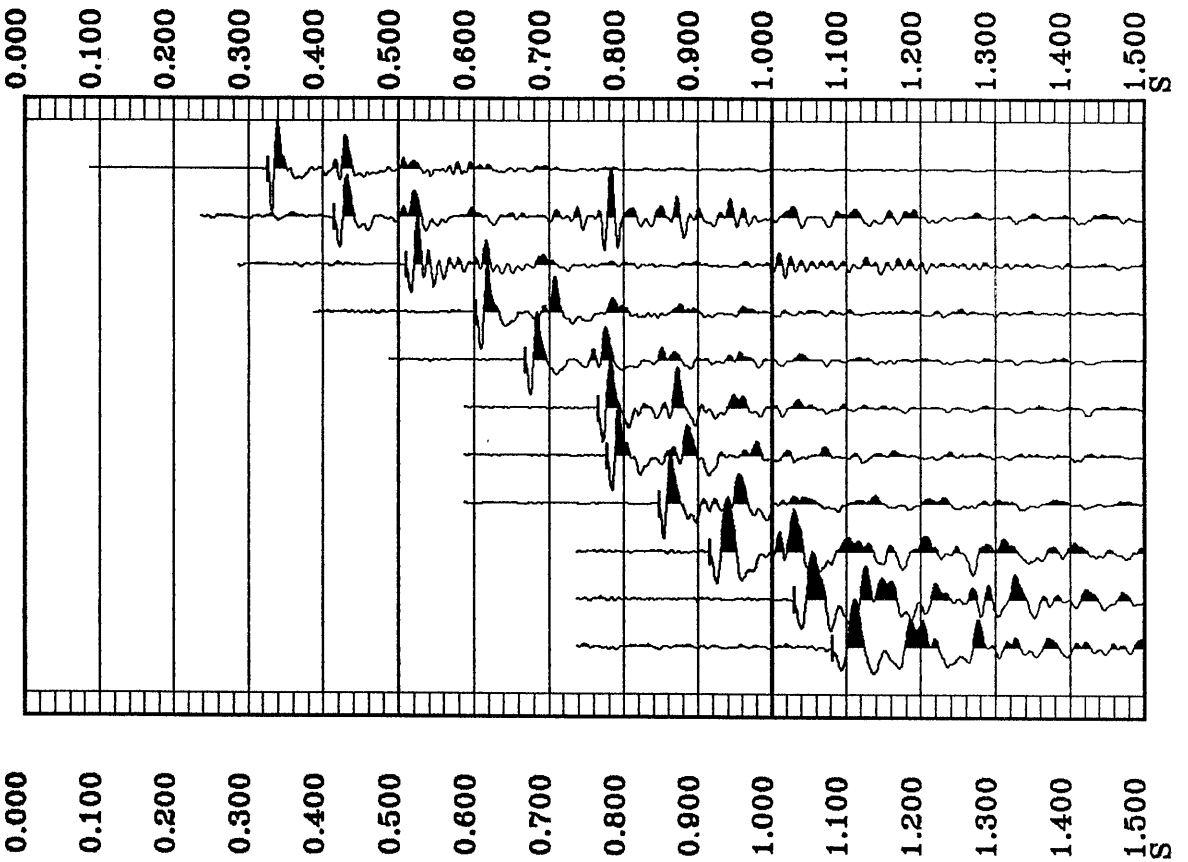


Figure 2

SAWBELLY-1
CHECKSHOT DATA

RAW DEPTH M	TRANSIT TIME S
798.5	0.327
1043.0	0.415
1282.0	0.510
1535.0	0.603
1704.0	0.669
1984.5	0.766
2022.5	0.778
2267.0	0.848
2488.0	0.917
2880.0	1.030
3067.8	1.083



Shots

ANALYST: K. MCPHAIL 12-FEB-91 16:56:13 PROGRAM: GSHOT 007.E08

SCHLUMBERGER

GEOPHYSICAL AIRGUN REPORT

COMPANY : ESSO AUSTRALIA LTD.

WELL : SAWBELLY-1

FIELD : WILDCAT

COUNTRY : AUSTRALIA

REFERENCE: 540770

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 (USERS Reference)
TIMO.GSH - Measured Travel Time from Hydrophone to Geophone
TIMV.GSH - Vertical Travel Time From the Source to the Geophone
SHTM.GSH - Shot time (WST)
AVGV.GSH - Average Seismic Velocity
DELZ.GSH - Depth Interval between Successive Shots
DELT.GSH - Travel Time Interval between Successive Shots
INTV.GSH - Internal Velocity, Average

(GLOBAL PARAMETERS)			(VALUE)	
ELEV OF KB AB. MSL (WST)	KB	:	21.0000	M
ELEV OF SRD AB. MSL(WST)	SRD	:	0	M
Elevation of Kelly Bushi	EKB	:	21.0000	M
ELEV OF GL AB. SRD(WST)	GL	:	-63.0000	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	-5.00	26.77	29.73	-10.00	26.77	29.73

	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	798.50	798.50	777.50	0	0
2	1043.00	1043.00	1022.00	0	0
3	1282.00	1282.00	1261.00	0	0
4	1535.00	1535.00	1514.00	0	0
5	1704.00	1704.00	1683.00	0	0
6	1984.50	1984.50	1963.50	0	0
7	2022.50	2022.50	2001.50	0	0
8	2267.00	2267.00	2246.00	0	0
9	2488.00	2488.00	2467.00	0	0
10	2880.00	2880.00	2859.00	0	0
11	3067.80	3067.80	3046.80	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	798.50	777.50	714.50	327.19	330.03	333.31	2333			
								244.50	87.97	2779
2	1043.00	1022.00	959.00	415.04	418.00	421.28	2426			
								239.00	94.86	2519
3	1282.00	1261.00	1198.00	509.84	512.86	516.14	2443			
								253.00	93.42	2708
4	1535.00	1514.00	1451.00	603.21	606.28	609.56	2484			
								169.00	65.71	2572
5	1704.00	1683.00	1620.00	668.90	671.99	675.27	2492			
								280.50	96.93	2894
6	1984.50	1963.50	1900.50	765.80	768.92	772.20	2543			
								38.00	11.79	3222
7	2022.50	2001.50	1938.50	777.59	780.71	784.00	2553			
								244.50	70.20	3483
8	2267.00	2246.00	2183.00	847.77	850.92	854.20	2629			
								221.00	69.21	3193
9	2488.00	2467.00	2404.00	916.97	920.13	923.41	2672			
								392.00	113.21	3463
10	2880.00	2859.00	2796.00	1030.16	1033.34	1036.62	2758			
								187.80	53.16	3533
11	3067.80	3046.80	2983.80	1083.31	1086.50	1089.78	2796			

Drift

ANALYST: K. MCPHAIL 12-FEB-91 17:10:06 PROGRAM: GDRIFT 007.E09

DRIFT COMPUTATION REPORT

COMPANY : ESSO AUSTRALIA LTD.

WELL : SAWBELLY-1

FIELD : WILDCAT

COUNTRY : AUSTRALIA

REFERENCE: 540770

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

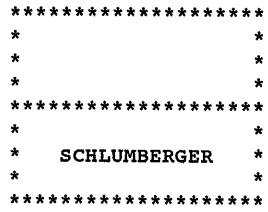
SHOT - Shot number
DKB - Measured Depth from Kelly-Bushing
DSRD - Depth from SRD
DGL - Vertical Depth Relative to GROUND Level (USERS Reference)
SHTM - Shot time (WST)
RAWS - Raw Sonic (WST)
SHDR - Drift at Shot or Knee
BLSH - Block Shift between Shots or Knee

(GLOBAL PARAMETERS)		(VALUE)	
ELEV OF KB AB. MSL (WST)	KB	: 21.0000	M
ELEV OF SRD AB. MSL(WST)	SRD	: 0	M
Elevation of Kelly Bushi	EKB	: 21.0000	M
ELEV OF GL AB. SRD(WST)	GL	: -63.0000	M
TOP OF ZONE PROCD (WST)	XSTART	: 0	M
BOT OF ZONE PROCD (WST)	XSTOP	: 0	M
RAW SONIC CH NAME (WST)	GAD001	: DT.ATT.002.FLP.*	
UNIFORM DENSITY VALUE	UNFDEN	: 2.30000	G/C3

(ZONED PARAMETERS)		(VALUE)		(LIMITS)		
LAYER OPTION FLAG DENS	LOFDEN	: 1.000000		30479.7	-	0
USER SUPPLIED DENSITY DA	LAYDEN	: 0	G/C3	0	-	0

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	206.04	185.04	122.04	-109.08	109.08	0	0
2	798.50	777.50	714.50	333.31	333.31	0	0
3	1043.00	1022.00	959.00	421.28	418.43	2.84	11.63
4	1282.00	1261.00	1198.00	516.14	511.48	4.67	7.62
5	1535.00	1514.00	1451.00	609.56	601.99	7.57	11.48
6	1704.00	1683.00	1620.00	675.27	667.10	8.17	3.53
7	1984.50	1963.50	1900.50	772.20	760.42	11.78	12.88
8	2022.50	2001.50	1938.50	784.00	771.93	12.07	7.50
9	2267.00	2246.00	2183.00	854.20	842.30	11.90	-.68
10	2488.00	2467.00	2404.00	923.41	906.90	16.51	20.88
11	2880.00	2859.00	2796.00	1036.62	1014.88	21.74	13.33
12	3067.80	3046.80	2983.80	1089.78	1064.87	24.91	16.88

ANALYST: K. MCPHAIL 12-FEB-91 17:23:16 PROGRAM: GADJST 008.E08



SONIC ADJUSTMENT PARAMETER REPORT

COMPANY : ESSO AUSTRALIA LTD.

WELL : SAWBELLY-1

FIELD : WILDCAT

COUNTRY : AUSTRALIA

REFERENCE: 540770

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

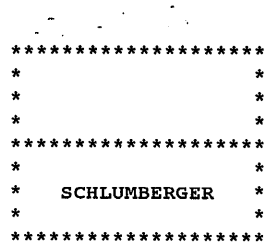
SHOT - Shot number
VDKB - Vertical Depth Relative to KB
DSRD - Depth from SRD
DGL - Vertical Depth Relative to GROUND Level (USERS Reference)
KNEE - Knee
BLSH - Block Shift between Shots or Knee
DTMI - Value of Delta-T Minimum used
COEF - Delta-T MIN Coefficient used in the Drift Zone
DRGR - Gradient 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	: 1696.00	M/S

(ZONED PARAMETERS)		(VALUE)		(LIMITS)		
USER DRIFT ZONE (WST)	ZDRIFT	: 25.00000	MS	3067.80	-	2265.00
		12.20000		2265.00		2034.00
		12.20000		2034.00		786.500
		0		786.500		206.000
		0		206.000		0
ADJUSMNT MODE (WST)	ADJOPZ	:-999.2500		30479.7	-	0
USER DELTA-T MIN (WST)	ADJUSZ	:-999.2500	US/M	30479.7	-	0
LAYER OPTION FLAG VELOC	LOFVEL	: 1.000000		30479.7	-	0
USER VELOC (WST)	LAYVEL	: 1696.000	M/S	206.000	-	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
					0			0
2	206.00	185.00	122.00	0				
					0			0
3	786.50	765.50	702.50	0				
					9.78			9.78
4	2034.00	2013.00	1950.00	12.20				
					0			0
5	2265.00	2244.00	2181.00	12.20				
					15.94			15.94
6	3067.80	3046.80	2983.80	25.00				

ANALYST: K. MCPHAIL 12-FEB-91 17:24:09 PROGRAM: GADJST 008.E08



VELOCITY REPORT

COMPANY : ESSO AUSTRALIA LTD.

WELL : SAWBELLY-1

FIELD : WILDCAT

COUNTRY : AUSTRALIA

REFERENCE: 540770

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 (USERS Reference)
SHTM - Shot time (WST)
ADJS - Adjusted Sonic Travel Time
SHDR - Drift at Shot or Knee
REST - Residual Travel Time At Knee
INTV - Internal Velocity, Average

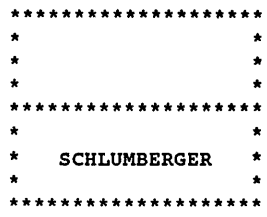
(GLOBAL PARAMETERS)		(VALUE)	
ELEV OF KB AB. MSL (WST)	KB	21.0000	M
ELEV OF SRD AB. MSL(WST)	SRD	0	M
Elevation of Kelly Bushi	EKB	21.0000	M
ELEV OF GL AB. SRD(WST)	GL	-63.0000	M
UNIFORM EARTH VELOCITY	UNERTH	1696.00	M/S

(ZONED PARAMETERS)		(VALUE)		(LIMITS)		
LAYER OPTION FLAG VELOC	LOFVEL	1.000000		30479.7	-	0
USER VELOC (WST)	LAYVEL	1696.000	M/S	206.000	-	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
								1696
1	206.04	185.04	122.04	109.08	109.08	0	0	
								2641
2	798.50	777.50	714.50	333.31	333.42	0	-.11	
								2794
3	1043.00	1022.00	959.00	421.28	420.94	2.84	.34	
								2506
4	1282.00	1261.00	1198.00	516.14	516.32	4.67	-.18	
								2721
5	1535.00	1514.00	1451.00	609.56	609.31	7.57	.25	
								2531
6	1704.00	1683.00	1620.00	675.27	676.07	8.17	-.80	
								2920
7	1984.50	1963.50	1900.50	772.20	772.13	11.78	.07	
								3199
8	2022.50	2001.50	1938.50	784.00	784.01	12.07	-.01	
								3467
9	2267.00	2246.00	2183.00	854.20	854.53	11.90	-.33	
								3244
10	2488.00	2467.00	2404.00	923.41	922.65	16.51	.76	
								3431
11	2880.00	2859.00	2796.00	1036.62	1036.88	21.74	-.26	
								3542
12	3067.80	3046.80	2983.80	1089.78	1089.90	24.91	-.12	

Time / Depth

ANALYST: K. MCPHAIL 12-FEB-91 17:33:04 PROGRAM: GTRFRM 001.E12



TIME CONVERTED VELOCITY REPORT

COMPANY : ESSO AUSTRALIA LTD.

WELL : SAWBELLY-1

FIELD : WILDCAT

COUNTRY : AUSTRALIA

REFERENCE: 540770

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	: 21.0000	M
ELEV OF SRD AB. MSL(WST)	SRD	: 0	M
ELEV OF GL AB. SRD(WST)	GL	: -63.0000	M
UNIFORM EARTH VELOCITY	UNERTH	: 1696.00	M/S
UNIFORM DENSITY VALUE	UNFDEN	: 2.30000	G/C3

(MATRIX PARAMETERS)

	MVOUT DIST M
1	1000.0
2	1500.0
3	2000.0

(ZONED PARAMETERS)		(VALUE)		(LIMITS)		
LAYER OPTION FLAG VELOC	LOFVEL	: 1.000000		30479.7	-	0
USER VELOC (WST)	LAYVEL	: 1696.000	M/S	206.000	-	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
0	21.00	0						1696
2.00	22.70	1.70	1696	1696	587.63	882.44	1177.25	1696
4.00	24.39	3.39	1696	1696	585.64	880.44	1175.25	1696
6.00	26.09	5.09	1696	1696	583.65	878.45	1173.26	1696
8.00	27.78	6.78	1696	1696	581.68	876.47	1171.27	1696
10.00	29.48	8.48	1696	1696	579.71	874.49	1169.29	1696
12.00	31.18	10.18	1696	1696	577.74	872.52	1167.31	1696
14.00	32.87	11.87	1696	1696	575.79	870.54	1165.33	1696
16.00	34.57	13.57	1696	1696	573.84	868.58	1163.35	1696
18.00	36.26	15.26	1696	1696	571.90	866.62	1161.38	1696
20.00	37.96	16.96	1696	1696	569.96	864.66	1159.42	1696
22.00	39.66	18.66	1696	1696	568.03	862.71	1157.45	1696
24.00	41.35	20.35	1696	1696	566.11	860.76	1155.49	1696
26.00	43.05	22.05	1696	1696	564.20	858.82	1153.53	1696
28.00	44.74	23.74	1696	1696	562.29	856.88	1151.58	1696
30.00	46.44	25.44	1696	1696	560.39	854.94	1149.63	1696
32.00	48.14	27.14	1696	1696	558.49	853.01	1147.68	1696
34.00	49.83	28.83	1696	1696	556.60	851.09	1145.74	1696
36.00	51.53	30.53	1696	1696	554.72	849.17	1143.79	1696
38.00	53.22	32.22	1696	1696	552.85	847.25	1141.86	1696
40.00	54.92	33.92	1696	1696	550.98	845.34	1139.92	1696
42.00	56.62	35.62	1696	1696	549.12	843.43	1137.99	1696
44.00	58.31	37.31	1696	1696	547.26	841.53	1136.07	1696
46.00	60.01	39.01	1696	1696	545.41	839.63	1134.14	

TWO-WAY TRAVEL TIME FROM SRD MS	MEASURED DEPTH FROM KB M	VERTICAL DEPTH FROM SRD M	AVERAGE VELOCITY SRD/GEO M/S	RMS VELOCITY M/S	FIRST NORMAL MOVEOUT MS	SECOND NORMAL MOVEOUT MS	THIRD NORMAL MOVEOUT MS	INTERVAL VELOCITY M/S
								1696
48.00	61.70	40.70	1696	1696	543.57	837.74	1132.22	
								1696
50.00	63.40	42.40	1696	1696	541.74	835.85	1130.30	
								1696
52.00	65.10	44.10	1696	1696	539.91	833.96	1128.39	
								1696
54.00	66.79	45.79	1696	1696	538.09	832.08	1126.48	
								1696
56.00	68.49	47.49	1696	1696	536.28	830.21	1124.57	
								1696
58.00	70.18	49.18	1696	1696	534.47	828.33	1122.67	
								1696
60.00	71.88	50.88	1696	1696	532.67	826.47	1120.77	
								1696
62.00	73.58	52.58	1696	1696	530.87	824.60	1118.87	
								1696
64.00	75.27	54.27	1696	1696	529.09	822.75	1116.98	
								1696
66.00	76.97	55.97	1696	1696	527.31	820.89	1115.09	
								1696
68.00	78.66	57.66	1696	1696	525.53	819.04	1113.20	
								1696
70.00	80.36	59.36	1696	1696	523.76	817.20	1111.32	
								1696
72.00	82.06	61.06	1696	1696	522.00	815.36	1109.44	
								1696
74.00	83.75	62.75	1696	1696	520.25	813.52	1107.57	
								1696
76.00	85.45	64.45	1696	1696	518.50	811.69	1105.69	
								1696
78.00	87.14	66.14	1696	1696	516.76	809.87	1103.82	
								1696
80.00	88.84	67.84	1696	1696	515.03	808.04	1101.96	
								1696
82.00	90.54	69.54	1696	1696	513.30	806.23	1100.09	
								1696
84.00	92.23	71.23	1696	1696	511.58	804.41	1098.23	
								1696
86.00	93.93	72.93	1696	1696	509.86	802.61	1096.38	
								1696
88.00	95.62	74.62	1696	1696	508.15	800.80	1094.52	
								1696
90.00	97.32	76.32	1696	1696	506.45	799.00	1092.67	
								1696
92.00	99.02	78.02	1696	1696	504.76	797.21	1090.83	
								1696
94.00	100.71	79.71	1696	1696	503.07	795.42	1088.99	

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	102.41	81.41	1696	1696	501.39	793.63	1087.15	1696
98.00	104.10	83.10	1696	1696	499.71	791.85	1085.31	1696
100.00	105.80	84.80	1696	1696	498.04	790.07	1083.48	1696
102.00	107.50	86.50	1696	1696	496.38	788.30	1081.65	1696
104.00	109.19	88.19	1696	1696	494.72	786.53	1079.82	1696
106.00	110.89	89.89	1696	1696	493.08	784.76	1078.00	1696
108.00	112.58	91.58	1696	1696	491.43	783.00	1076.18	1696
110.00	114.28	93.28	1696	1696	489.80	781.25	1074.36	1696
112.00	115.98	94.98	1696	1696	488.17	779.50	1072.55	1696
114.00	117.67	96.67	1696	1696	486.54	777.75	1070.74	1696
116.00	119.37	98.37	1696	1696	484.93	776.01	1068.94	1696
118.00	121.06	100.06	1696	1696	483.31	774.27	1067.13	1696
120.00	122.76	101.76	1696	1696	481.71	772.54	1065.34	1696
122.00	124.46	103.46	1696	1696	480.11	770.81	1063.54	1696
124.00	126.15	105.15	1696	1696	478.52	769.08	1061.75	1696
126.00	127.85	106.85	1696	1696	476.94	767.36	1059.96	1696
128.00	129.54	108.54	1696	1696	475.36	765.65	1058.17	1696
130.00	131.24	110.24	1696	1696	473.78	763.94	1056.39	1696
132.00	132.94	111.94	1696	1696	472.22	762.23	1054.61	1696
134.00	134.63	113.63	1696	1696	470.66	760.53	1052.83	1696
136.00	136.33	115.33	1696	1696	469.10	758.83	1051.06	1696
138.00	138.02	117.02	1696	1696	467.56	757.14	1049.29	1696
140.00	139.72	118.72	1696	1696	466.02	755.45	1047.53	1696
142.00	141.42	120.42	1696	1696	464.48	753.76	1045.76	

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
								1696
144.00	143.11	122.11	1696	1696	462.95	752.08	1044.00	
								1696
146.00	144.81	123.81	1696	1696	461.43	750.40	1042.25	
								1696
148.00	146.50	125.50	1696	1696	459.91	748.73	1040.50	
								1696
150.00	148.20	127.20	1696	1696	458.40	747.06	1038.75	
								1696
152.00	149.90	128.90	1696	1696	456.90	745.40	1037.00	
								1696
154.00	151.59	130.59	1696	1696	455.40	743.74	1035.26	
								1696
156.00	153.29	132.29	1696	1696	453.91	742.09	1033.52	
								1696
158.00	154.98	133.98	1696	1696	452.43	740.44	1031.78	
								1696
160.00	156.68	135.68	1696	1696	450.95	738.79	1030.05	
								1696
162.00	158.38	137.38	1696	1696	449.47	737.15	1028.32	
								1696
164.00	160.07	139.07	1696	1696	448.01	735.51	1026.59	
								1696
166.00	161.77	140.77	1696	1696	446.54	733.88	1024.87	
								1696
168.00	163.46	142.46	1696	1696	445.09	732.25	1023.15	
								1696
170.00	165.16	144.16	1696	1696	443.64	730.62	1021.44	
								1696
172.00	166.86	145.86	1696	1696	442.20	729.00	1019.72	
								1696
174.00	168.55	147.55	1696	1696	440.76	727.39	1018.01	
								1696
176.00	170.25	149.25	1696	1696	439.33	725.78	1016.31	
								1696
178.00	171.94	150.94	1696	1696	437.91	724.17	1014.60	
								1696
180.00	173.64	152.64	1696	1696	436.49	722.56	1012.90	
								1696
182.00	175.34	154.34	1696	1696	435.07	720.97	1011.21	
								1696
184.00	177.03	156.03	1696	1696	433.67	719.37	1009.51	
								1696
186.00	178.73	157.73	1696	1696	432.26	717.78	1007.82	
								1696
188.00	180.42	159.42	1696	1696	430.87	716.19	1006.14	
								1696
190.00	182.12	161.12	1696	1696	429.48	714.61	1004.45	

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
								1696
192.00	183.82	162.82	1696	1696	428.10	713.03	1002.77	
								1696
194.00	185.51	164.51	1696	1696	426.72	711.46	1001.10	
								1696
196.00	187.21	166.21	1696	1696	425.35	709.89	999.42	
								1696
198.00	188.90	167.90	1696	1696	423.98	708.33	997.75	
								1696
200.00	190.60	169.60	1696	1696	422.62	706.77	996.09	
								1696
202.00	192.30	171.30	1696	1696	421.26	705.21	994.42	
								1696
204.00	193.99	172.99	1696	1696	419.92	703.66	992.76	
								1696
206.00	195.69	174.69	1696	1696	418.57	702.11	991.10	
								1696
208.00	197.38	176.38	1696	1696	417.24	700.56	989.45	
								1696
210.00	199.08	178.08	1696	1696	415.90	699.02	987.80	
								1696
212.00	200.78	179.78	1696	1696	414.58	697.49	986.15	
								1696
214.00	202.47	181.47	1696	1696	413.26	695.96	984.51	
								1696
216.00	204.17	183.17	1696	1696	411.94	694.43	982.86	
								1696
218.00	205.86	184.86	1696	1696	410.63	692.90	981.23	
								1992
220.00	207.86	186.86	1699	1699	408.38	689.91	977.60	
								2003
222.00	209.86	188.86	1701	1702	406.12	686.90	973.94	
								2040
224.00	211.90	190.90	1704	1705	403.76	683.73	970.07	
								2057
226.00	213.96	192.96	1708	1709	401.38	680.51	966.14	
								2105
228.00	216.06	195.06	1711	1713	398.87	677.09	961.92	
								2069
230.00	218.13	197.13	1714	1716	396.52	673.91	958.03	
								1935
232.00	220.06	199.06	1716	1718	394.62	671.44	955.08	
								2077
234.00	222.14	201.14	1719	1721	392.30	668.29	951.22	
								2117
236.00	224.26	203.26	1723	1725	389.89	664.99	947.16	
								2072
238.00	226.33	205.33	1725	1728	387.65	661.96	943.45	

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	228.39	207.39	1728	1731	385.46	659.01	939.84	2065
242.00	230.49	209.49	1731	1735	383.22	655.95	936.10	2093
244.00	232.60	211.60	1734	1738	380.94	652.83	932.26	2116
246.00	234.83	213.83	1738	1743	378.35	649.23	927.76	2226
248.00	237.04	216.04	1742	1747	375.87	645.78	923.47	2206
250.00	239.22	218.22	1746	1751	373.50	642.51	919.41	2180
252.00	241.44	220.44	1749	1755	371.05	639.09	915.15	2221
254.00	243.69	222.69	1753	1759	368.54	635.57	910.75	2253
256.00	245.92	224.92	1757	1764	366.14	632.24	906.60	2226
258.00	248.14	227.14	1761	1768	363.79	628.96	902.51	2225
260.00	250.41	229.41	1765	1772	361.34	625.52	898.22	2270
262.00	252.62	231.62	1768	1776	359.11	622.42	894.36	2207
264.00	254.80	233.80	1771	1779	356.99	619.48	890.73	2177
266.00	257.00	236.00	1774	1783	354.82	616.46	886.99	2205
268.00	259.25	238.25	1778	1787	352.55	613.28	883.03	2254
270.00	261.50	240.50	1781	1790	350.35	610.20	879.18	2242
272.00	263.71	242.71	1785	1794	348.24	607.25	875.53	2218
274.00	265.97	244.97	1788	1798	346.06	604.19	871.71	2256
276.00	268.21	247.21	1791	1801	343.95	601.23	868.03	2241
278.00	270.47	249.47	1795	1805	341.83	598.25	864.32	2257
280.00	272.70	251.70	1798	1808	339.80	595.42	860.80	2228
282.00	274.92	253.92	1801	1812	337.81	592.63	857.35	2225
284.00	277.14	256.14	1804	1815	335.86	589.89	853.95	2222
286.00	279.39	258.39	1807	1818	333.87	587.10	850.48	2245

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
								2252
288.00	281.64	260.64	1810	1822	331.90	584.32	847.02	
								2230
290.00	283.87	262.87	1813	1825	330.00	581.65	843.71	
								2235
292.00	286.11	265.11	1816	1828	328.11	578.99	840.41	
								2212
294.00	288.32	267.32	1818	1831	326.30	576.45	837.27	
								2189
296.00	290.51	269.51	1821	1833	324.55	574.01	834.26	
								2195
298.00	292.70	271.70	1824	1836	322.81	571.58	831.26	
								2257
300.00	294.96	273.96	1826	1839	320.97	568.97	828.01	
								2252
302.00	297.21	276.21	1829	1842	319.15	566.40	824.81	
								2247
304.00	299.46	278.46	1832	1845	317.37	563.88	821.68	
								2236
306.00	301.69	280.69	1835	1848	315.63	561.41	818.63	
								2222
308.00	303.92	282.92	1837	1851	313.94	559.03	815.67	
								2173
310.00	306.09	285.09	1839	1853	312.36	556.82	812.96	
								2176
312.00	308.26	287.26	1841	1855	310.79	554.62	810.25	
								2175
314.00	310.44	289.44	1844	1857	309.24	552.44	807.58	
								2074
316.00	312.51	291.51	1845	1859	307.89	550.58	805.33	
								2081
318.00	314.60	293.60	1847	1860	306.54	548.72	803.08	
								2119
320.00	316.71	295.71	1848	1862	305.13	546.76	800.69	
								2067
322.00	318.78	297.78	1850	1863	303.82	544.96	798.52	
								2118
324.00	320.90	299.90	1851	1865	302.44	543.03	796.17	
								2176
326.00	323.08	302.08	1853	1867	300.97	540.96	793.62	
								2115
328.00	325.19	304.19	1855	1869	299.62	539.07	791.32	
								2204
330.00	327.39	306.39	1857	1871	298.13	536.95	788.70	
								2205
332.00	329.60	308.60	1859	1873	296.65	534.85	786.10	
								2266
334.00	331.87	310.87	1861	1876	295.08	532.59	783.28	

TWO-WAY TRAVEL TIME FROM SRD MS	MEASURED DEPTH FROM KB M	VERTICAL DEPTH FROM SRD M	AVERAGE VELOCITY SRD/GEO M/S	RMS VELOCITY M/S	FIRST NORMAL MOVEOUT MS	SECOND NORMAL MOVEOUT MS	THIRD NORMAL MOVEOUT MS	INTERVAL VELOCITY M/S
								2294
336.00	334.16	313.16	1864	1879	293.48	530.28	780.38	
								2247
338.00	336.41	315.41	1866	1881	291.98	528.12	777.70	
								2323
340.00	338.73	317.73	1869	1884	290.37	525.78	774.74	
								2324
342.00	341.05	320.05	1872	1887	288.77	523.45	771.82	
								2364
344.00	343.42	322.42	1875	1890	287.12	521.04	768.77	
								2449
346.00	345.87	324.87	1878	1894	285.35	518.41	765.42	
								2384
348.00	348.25	327.25	1881	1897	283.71	516.00	762.36	
								2375
350.00	350.63	329.63	1884	1900	282.10	513.64	759.37	
								2376
352.00	353.00	332.00	1886	1903	280.51	511.29	756.41	
								2424
354.00	355.43	334.43	1889	1906	278.86	508.85	753.30	
								2555
356.00	357.98	336.98	1893	1910	277.02	506.08	749.72	
								2097
358.00	360.08	339.08	1894	1912	275.89	504.49	747.80	
								2334
360.00	362.41	341.41	1897	1914	274.44	502.36	745.10	
								2459
362.00	364.87	343.87	1900	1918	272.81	499.92	741.99	
								2445
364.00	367.32	346.32	1903	1921	271.22	497.54	738.96	
								2472
366.00	369.79	348.79	1906	1924	269.61	495.13	735.87	
								2388
368.00	372.18	351.18	1909	1927	268.14	492.95	733.10	
								2363
370.00	374.54	353.54	1911	1930	266.72	490.85	730.44	
								2530
372.00	377.07	356.07	1914	1934	265.08	488.36	727.23	
								2561
374.00	379.63	358.63	1918	1937	263.40	485.82	723.96	
								2611
376.00	382.24	361.24	1921	1942	261.68	483.19	720.54	
								2564
378.00	384.80	363.80	1925	1945	260.05	480.70	717.33	
								2479
380.00	387.28	366.28	1928	1949	258.56	478.46	714.45	
								2421
382.00	389.70	368.70	1930	1951	257.16	476.36	711.78	

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	392.13	371.13	1933	1954	255.78	474.29	709.12	2424
386.00	394.76	373.76	1937	1958	254.12	471.74	705.81	2634
388.00	397.37	376.37	1940	1962	252.52	469.28	702.62	2608
390.00	400.00	379.00	1944	1966	250.91	466.79	699.38	2634
392.00	402.52	381.52	1947	1969	249.48	464.61	696.56	2514
394.00	404.90	383.90	1949	1972	248.23	462.73	694.18	2381
396.00	407.20	386.20	1950	1974	247.10	461.04	692.05	2299
398.00	409.75	388.75	1954	1977	245.66	458.84	689.20	2549
400.00	412.28	391.28	1956	1980	244.27	456.70	686.43	2532
402.00	414.76	393.76	1959	1983	242.95	454.68	683.83	2483
404.00	417.28	396.28	1962	1986	241.60	452.61	681.15	2519
406.00	419.79	398.79	1964	1989	240.28	450.58	678.53	2510
408.00	422.38	401.38	1968	1992	238.87	448.40	675.69	2589
410.00	424.95	403.95	1970	1995	237.52	446.30	672.96	2564
412.00	427.48	406.48	1973	1998	236.21	444.29	670.35	2531
414.00	430.24	409.24	1977	2003	234.65	441.82	667.10	2759
416.00	432.81	411.81	1980	2006	233.33	439.77	664.44	2571
418.00	435.51	414.51	1983	2010	231.87	437.47	661.42	2704
420.00	438.19	417.19	1987	2013	230.45	435.25	658.50	2679
422.00	440.80	419.80	1990	2017	229.14	433.19	655.81	2609
424.00	443.46	422.46	1993	2020	227.77	431.04	652.99	2666
426.00	446.16	425.16	1996	2024	226.40	428.87	650.13	2692
428.00	448.79	427.79	1999	2027	225.10	426.82	647.45	2636
430.00	451.53	430.53	2002	2031	223.70	424.60	644.51	2740

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
								2831
432.00	454.36	433.36	2006	2035	222.21	422.22	641.35	
								2793
434.00	457.16	436.16	2010	2040	220.79	419.95	638.34	
								2590
436.00	459.75	438.75	2013	2042	219.60	418.08	635.89	
								2782
438.00	462.53	441.53	2016	2046	218.22	415.88	632.97	
								2505
440.00	465.03	444.03	2018	2049	217.15	414.19	630.78	
								2662
442.00	467.70	446.70	2021	2052	215.93	412.25	628.22	
								2796
444.00	470.49	449.49	2025	2056	214.58	410.09	625.35	
								2446
446.00	472.94	451.94	2027	2058	213.60	408.55	623.36	
								2473
448.00	475.41	454.41	2029	2060	212.60	406.98	621.32	
								2942
450.00	478.35	457.35	2033	2065	211.14	404.61	618.13	
								2845
452.00	481.20	460.20	2036	2069	209.80	402.44	615.23	
								2844
454.00	484.04	463.04	2040	2073	208.48	400.30	612.37	
								2613
456.00	486.65	465.65	2042	2075	207.40	398.57	610.10	
								2780
458.00	489.43	468.43	2046	2079	206.17	396.58	607.45	
								2763
460.00	492.20	471.20	2049	2082	204.97	394.65	604.87	
								2714
462.00	494.91	473.91	2052	2086	203.83	392.81	602.43	
								2784
464.00	497.69	476.69	2055	2089	202.65	390.88	599.85	
								2636
466.00	500.33	479.33	2057	2092	201.60	389.20	597.63	
								2886
468.00	503.22	482.22	2061	2096	200.34	387.14	594.86	
								2521
470.00	505.74	484.74	2063	2098	199.42	385.67	592.93	
								2587
472.00	508.32	487.32	2065	2100	198.46	384.11	590.87	
								2772
474.00	511.10	490.10	2068	2103	197.34	382.28	588.43	
								2787
476.00	513.88	492.88	2071	2107	196.22	380.45	585.98	
								2645
478.00	516.53	495.53	2073	2109	195.24	378.85	583.85	

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480.00	519.36	498.36	2076	2113	194.11	377.00	581.35	2828
482.00	522.19	501.19	2080	2116	192.98	375.14	578.86	2836
484.00	525.07	504.07	2083	2120	191.83	373.25	576.30	2876
486.00	527.78	506.78	2086	2123	190.84	371.62	574.13	2708
488.00	530.55	509.55	2088	2126	189.81	369.92	571.84	2772
490.00	533.51	512.51	2092	2130	188.63	367.95	569.16	2962
492.00	536.21	515.21	2094	2133	187.67	366.39	567.08	2696
494.00	538.97	517.97	2097	2135	186.68	364.74	564.87	2764
496.00	541.72	520.72	2100	2138	185.71	363.14	562.71	2746
498.00	544.45	523.45	2102	2141	184.76	361.57	560.60	2734
500.00	547.31	526.31	2105	2144	183.72	359.84	558.25	2861
502.00	550.28	529.28	2109	2148	182.61	357.97	555.71	2965
504.00	553.42	532.42	2113	2153	181.36	355.86	552.81	3146
506.00	556.22	535.22	2116	2156	180.41	354.27	550.65	2799
508.00	559.12	538.12	2119	2159	179.39	352.56	548.33	2894
510.00	562.08	541.08	2122	2163	178.34	350.78	545.90	2960
512.00	565.04	544.04	2125	2167	177.29	349.01	543.49	2963
514.00	567.90	546.90	2128	2170	176.34	347.41	541.31	2855
516.00	571.01	550.01	2132	2174	175.20	345.47	538.64	3114
518.00	573.69	552.70	2134	2177	174.38	344.11	536.81	2685
520.00	576.46	555.46	2136	2179	173.52	342.67	534.85	2764
522.00	579.31	558.31	2139	2182	172.62	341.13	532.76	2848
524.00	582.09	561.09	2142	2185	171.76	339.69	530.79	2788
526.00	584.97	563.97	2144	2188	170.85	338.15	528.69	2873

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								2821
528.00	587.79	566.79	2147	2191	169.99	336.69	526.69	
								2984
530.00	590.77	569.77	2150	2194	169.02	335.04	524.43	
								2842
532.00	593.61	572.61	2153	2197	168.16	333.58	522.43	
								2811
534.00	596.43	575.43	2155	2199	167.33	332.17	520.51	
								2915
536.00	599.34	578.34	2158	2203	166.44	330.65	518.42	
								2939
538.00	602.28	581.28	2161	2206	165.54	329.11	516.31	
								2904
540.00	605.18	584.18	2164	2209	164.68	327.63	514.27	
								2934
542.00	608.12	587.12	2166	2212	163.80	326.13	512.20	
								2819
544.00	610.94	589.94	2169	2214	163.01	324.78	510.35	
								2943
546.00	613.88	592.88	2172	2218	162.15	323.29	508.30	
								2988
548.00	616.87	595.87	2175	2221	161.26	321.77	506.19	
								2995
550.00	619.86	598.86	2178	2224	160.39	320.25	504.09	
								2959
552.00	622.82	601.82	2181	2227	159.54	318.79	502.07	
								2968
554.00	625.79	604.79	2183	2230	158.70	317.33	500.05	
								2937
556.00	628.73	607.73	2186	2233	157.88	315.92	498.10	
								2903
558.00	631.63	610.63	2189	2236	157.10	314.56	496.22	
								2979
560.00	634.61	613.61	2191	2239	156.27	313.13	494.23	
								2968
562.00	637.58	616.58	2194	2242	155.47	311.73	492.28	
								2999
564.00	640.58	619.58	2197	2245	154.65	310.30	490.29	
								2943
566.00	643.52	622.52	2200	2248	153.87	308.95	488.41	
								2978
568.00	646.50	625.50	2202	2251	153.08	307.57	486.49	
								2974
570.00	649.47	628.47	2205	2254	152.30	306.21	484.60	
								2946
572.00	652.42	631.42	2208	2257	151.54	304.89	482.76	
								3162
574.00	655.58	634.58	2211	2261	150.67	303.35	480.60	

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								3036
576.00	658.62	637.62	2214	2264	149.88	301.96	478.65	
								3120
578.00	661.74	640.74	2217	2267	149.05	300.50	476.60	
								3107
580.00	664.84	643.84	2220	2271	148.24	299.07	474.58	
								3001
582.00	667.84	646.84	2223	2274	147.50	297.75	472.75	
								3179
584.00	671.02	650.02	2226	2277	146.66	296.27	470.65	
								3110
586.00	674.13	653.13	2229	2281	145.87	294.88	468.69	
								2960
588.00	677.09	656.09	2232	2283	145.17	293.64	466.95	
								3122
590.00	680.22	659.22	2235	2287	144.39	292.25	465.00	
								3129
592.00	683.34	662.34	2238	2290	143.62	290.88	463.06	
								3064
594.00	686.41	665.41	2240	2293	142.89	289.58	461.22	
								3168
596.00	689.58	668.58	2244	2297	142.11	288.19	459.26	
								3002
598.00	692.58	671.58	2246	2299	141.42	286.97	457.54	
								3128
600.00	695.71	674.71	2249	2303	140.68	285.64	455.66	
								3142
602.00	698.85	677.85	2252	2306	139.94	284.31	453.78	
								2938
604.00	701.79	680.79	2254	2308	139.30	283.18	452.19	
								2957
606.00	704.74	683.74	2257	2311	138.66	282.04	450.58	
								3121
608.00	707.87	686.87	2259	2314	137.95	280.77	448.77	
								3089
610.00	710.95	689.95	2262	2317	137.26	279.53	447.02	
								3001
612.00	713.96	692.96	2265	2319	136.62	278.39	445.40	
								3237
614.00	717.19	696.19	2268	2323	135.87	277.04	443.47	
								3057
616.00	720.25	699.25	2270	2326	135.22	275.87	441.81	
								2947
618.00	723.20	702.20	2272	2328	134.62	274.79	440.29	
								2891
620.00	726.09	705.09	2274	2330	134.05	273.77	438.85	
								3009
622.00	729.10	708.10	2277	2333	133.43	272.67	437.28	

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								3033
624.00	732.13	711.13	2279	2335	132.81	271.55	435.69	
								3091
626.00	735.22	714.22	2282	2338	132.17	270.39	434.04	
								3083
628.00	738.30	717.30	2284	2341	131.54	269.25	432.41	
								3168
630.00	741.47	720.47	2287	2344	130.88	268.05	430.69	
								3213
632.00	744.68	723.68	2290	2347	130.21	266.82	428.93	
								3043
634.00	747.73	726.73	2293	2350	129.61	265.74	427.39	
								2806
636.00	750.53	729.53	2294	2351	129.11	264.85	426.13	
								2994
638.00	753.53	732.53	2296	2353	128.55	263.82	424.66	
								3092
640.00	756.62	735.62	2299	2356	127.95	262.73	423.10	
								3127
642.00	759.74	738.74	2301	2359	127.34	261.62	421.50	
								3137
644.00	762.88	741.88	2304	2362	126.73	260.51	419.91	
								3133
646.00	766.01	745.01	2307	2364	126.13	259.41	418.33	
								3140
648.00	769.15	748.15	2309	2367	125.53	258.32	416.75	
								3014
650.00	772.17	751.17	2311	2370	124.99	257.33	415.33	
								2938
652.00	775.11	754.11	2313	2371	124.48	256.40	414.00	
								2988
654.00	778.10	757.10	2315	2374	123.95	255.44	412.63	
								3047
656.00	781.14	760.14	2318	2376	123.41	254.45	411.20	
								3130
658.00	784.27	763.27	2320	2379	122.84	253.40	409.69	
								3834
660.00	788.11	767.11	2325	2384	121.98	251.80	407.33	
								3236
662.00	791.34	770.34	2327	2387	121.39	250.69	405.73	
								2922
664.00	794.27	773.27	2329	2389	120.91	249.82	404.48	
								2908
666.00	797.17	776.17	2331	2391	120.44	248.97	403.25	
								3022
668.00	800.20	779.20	2333	2393	119.94	248.04	401.91	
								3086
670.00	803.28	782.28	2335	2395	119.42	247.07	400.52	

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
								3059
672.00	806.34	785.34	2337	2398	118.91	246.14	399.16	
								2885
674.00	809.23	788.23	2339	2399	118.46	245.32	397.99	
								2856
676.00	812.08	791.08	2340	2401	118.03	244.52	396.85	
								2811
678.00	814.89	793.89	2342	2402	117.61	243.76	395.76	
								3040
680.00	817.93	796.93	2344	2404	117.13	242.86	394.45	
								2639
682.00	820.57	799.57	2345	2405	116.77	242.21	393.52	
								2778
684.00	823.35	802.35	2346	2406	116.37	241.48	392.48	
								2762
686.00	826.11	805.11	2347	2407	115.98	240.77	391.45	
								2451
688.00	828.56	807.56	2348	2407	115.68	240.23	390.69	
								2902
690.00	831.46	810.46	2349	2409	115.25	239.44	389.55	
								2743
692.00	834.21	813.21	2350	2410	114.88	238.74	388.56	
								2824
694.00	837.03	816.03	2352	2411	114.48	238.01	387.50	
								2518
696.00	839.55	818.55	2352	2412	114.17	237.44	386.70	
								2780
698.00	842.33	821.33	2353	2413	113.79	236.74	385.69	
								2713
700.00	845.04	824.04	2354	2414	113.43	236.08	384.74	
								2808
702.00	847.85	826.85	2356	2415	113.04	235.37	383.71	
								2949
704.00	850.80	829.80	2357	2416	112.62	234.58	382.57	
								2833
706.00	853.63	832.63	2359	2418	112.23	233.86	381.53	
								2814
708.00	856.45	835.45	2360	2419	111.86	233.16	380.51	
								2796
710.00	859.24	838.24	2361	2420	111.49	232.48	379.52	
								2866
712.00	862.11	841.11	2363	2421	111.10	231.75	378.47	
								2835
714.00	864.94	843.94	2364	2423	110.72	231.05	377.45	
								2691
716.00	867.63	846.63	2365	2424	110.39	230.43	376.56	
								2812
718.00	870.45	849.45	2366	2425	110.02	229.75	375.57	

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	873.24	852.24	2367	2426	109.66	229.08	374.60	2799
722.00	876.14	855.14	2369	2427	109.28	228.37	373.55	2895
724.00	878.92	857.92	2370	2428	108.93	227.71	372.61	2779
726.00	881.55	860.55	2371	2429	108.62	227.14	371.78	2628
728.00	884.20	863.20	2371	2429	108.31	226.56	370.94	2649
730.00	887.06	866.06	2373	2431	107.94	225.88	369.94	2860
732.00	889.83	868.83	2374	2432	107.60	225.24	369.02	2776
734.00	892.69	871.69	2375	2433	107.24	224.56	368.03	2857
736.00	895.55	874.55	2377	2434	106.88	223.89	367.04	2864
738.00	898.43	877.43	2378	2436	106.52	223.21	366.05	2880
740.00	901.17	880.17	2379	2436	106.20	222.61	365.17	2740
742.00	903.91	882.91	2380	2437	105.88	222.01	364.30	2734
744.00	906.85	885.85	2381	2439	105.51	221.31	363.27	2941
746.00	909.67	888.67	2383	2440	105.17	220.67	362.33	2827
748.00	912.64	891.64	2384	2442	104.80	219.97	361.30	2962
750.00	915.47	894.47	2385	2443	104.46	219.33	360.37	2830
752.00	918.32	897.32	2386	2444	104.12	218.70	359.43	2853
754.00	921.06	900.06	2387	2445	103.81	218.11	358.58	2744
756.00	923.96	902.96	2389	2446	103.47	217.46	357.61	2900
758.00	926.82	905.82	2390	2447	103.13	216.82	356.68	2861
760.00	929.79	908.79	2392	2449	102.77	216.14	355.67	2967
762.00	932.74	911.74	2393	2450	102.42	215.47	354.68	2951
764.00	935.42	914.42	2394	2451	102.14	214.93	353.89	2681
766.00	938.40	917.40	2395	2452	101.78	214.26	352.89	2976

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
								2997
768.00	941.40	920.40	2397	2454	101.42	213.58	351.88	
								3209
770.00	944.60	923.60	2399	2456	101.02	212.79	350.70	
								2929
772.00	947.53	926.53	2400	2457	100.68	212.15	349.76	
								3071
774.00	950.60	929.60	2402	2459	100.31	211.45	348.71	
								3001
776.00	953.60	932.60	2404	2461	99.97	210.78	347.72	
								2951
778.00	956.56	935.56	2405	2462	99.63	210.15	346.77	
								2888
780.00	959.44	938.44	2406	2463	99.32	209.54	345.87	
								2884
782.00	962.33	941.33	2407	2465	99.00	208.94	344.98	
								2564
784.00	964.89	943.89	2408	2465	98.76	208.48	344.31	
								2811
786.00	967.70	946.70	2409	2466	98.46	207.92	343.47	
								2876
788.00	970.58	949.58	2410	2467	98.16	207.33	342.60	
								2802
790.00	973.38	952.38	2411	2468	97.87	206.78	341.78	
								2632
792.00	976.01	955.01	2412	2468	97.62	206.30	341.08	
								2866
794.00	978.88	957.88	2413	2469	97.32	205.73	340.22	
								2838
796.00	981.72	960.72	2414	2470	97.02	205.17	339.39	
								2606
798.00	984.32	963.32	2414	2471	96.78	204.71	338.71	
								2686
800.00	987.01	966.01	2415	2471	96.52	204.22	337.99	
								2644
802.00	989.65	968.65	2416	2472	96.28	203.74	337.29	
								2948
804.00	992.60	971.60	2417	2473	95.97	203.15	336.40	
								2568
806.00	995.17	974.17	2417	2473	95.74	202.71	335.76	
								2800
808.00	997.97	976.97	2418	2474	95.46	202.18	334.97	
								2721
810.00	1000.69	979.69	2419	2475	95.20	201.69	334.24	
								2839
812.00	1003.53	982.53	2420	2476	94.92	201.15	333.43	
								2626
814.00	1006.15	985.15	2421	2476	94.69	200.70	332.76	

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
								2497
816.00	1008.65	987.65	2421	2476	94.48	200.29	332.17	
								2624
818.00	1011.27	990.27	2421	2476	94.24	199.85	331.51	
								2725
820.00	1014.00	993.00	2422	2477	93.99	199.36	330.79	
								2642
822.00	1016.64	995.64	2422	2477	93.75	198.91	330.12	
								2744
824.00	1019.38	998.38	2423	2478	93.50	198.42	329.39	
								2339
826.00	1021.72	1000.72	2423	2478	93.32	198.08	328.89	
								2637
828.00	1024.36	1003.36	2424	2478	93.09	197.64	328.24	
								2676
830.00	1027.03	1006.03	2424	2479	92.85	197.18	327.56	
								2626
832.00	1029.66	1008.66	2425	2479	92.63	196.75	326.91	
								2795
834.00	1032.46	1011.46	2426	2480	92.37	196.25	326.16	
								2626
836.00	1035.08	1014.08	2426	2480	92.15	195.82	325.52	
								2517
838.00	1037.60	1016.60	2426	2480	91.94	195.43	324.94	
								2737
840.00	1040.34	1019.34	2427	2481	91.70	194.96	324.24	
								2771
842.00	1043.11	1022.11	2428	2482	91.45	194.48	323.52	
								2437
844.00	1045.54	1024.54	2428	2482	91.26	194.12	322.99	
								2445
846.00	1047.99	1026.99	2428	2482	91.07	193.76	322.45	
								2511
848.00	1050.50	1029.50	2428	2482	90.88	193.38	321.89	
								2623
850.00	1053.12	1032.12	2429	2482	90.66	192.96	321.26	
								2592
852.00	1055.72	1034.72	2429	2482	90.45	192.55	320.65	
								2679
854.00	1058.39	1037.39	2429	2483	90.22	192.12	320.00	
								2453
856.00	1060.85	1039.85	2430	2483	90.04	191.76	319.47	
								2561
858.00	1063.41	1042.41	2430	2483	89.83	191.37	318.89	
								2376
860.00	1065.79	1044.79	2430	2483	89.66	191.04	318.40	
								2717
862.00	1068.50	1047.50	2430	2483	89.43	190.59	317.73	

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
								2430
864.00	1070.93	1049.93	2430	2483	89.25	190.25	317.22	
								2527
866.00	1073.46	1052.46	2431	2483	89.06	189.88	316.67	
								2351
868.00	1075.81	1054.81	2430	2483	88.90	189.56	316.20	
								2565
870.00	1078.37	1057.37	2431	2483	88.70	189.17	315.62	
								2435
872.00	1080.81	1059.81	2431	2483	88.52	188.83	315.11	
								2538
874.00	1083.35	1062.35	2431	2483	88.33	188.46	314.56	
								2484
876.00	1085.83	1064.83	2431	2483	88.14	188.10	314.03	
								2492
878.00	1088.32	1067.32	2431	2483	87.96	187.75	313.49	
								2564
880.00	1090.89	1069.89	2432	2483	87.77	187.37	312.93	
								2610
882.00	1093.50	1072.50	2432	2484	87.56	186.98	312.34	
								2459
884.00	1095.96	1074.96	2432	2483	87.39	186.64	311.83	
								2657
886.00	1098.61	1077.61	2433	2484	87.18	186.24	311.22	
								2616
888.00	1101.23	1080.23	2433	2484	86.98	185.85	310.64	
								2656
890.00	1103.88	1082.88	2433	2485	86.78	185.45	310.03	
								2605
892.00	1106.49	1085.49	2434	2485	86.58	185.06	309.45	
								2569
894.00	1109.06	1088.06	2434	2485	86.39	184.70	308.90	
								2445
896.00	1111.50	1090.50	2434	2485	86.22	184.37	308.40	
								2428
898.00	1113.93	1092.93	2434	2485	86.05	184.04	307.92	
								2599
900.00	1116.53	1095.53	2435	2485	85.86	183.67	307.35	
								2551
902.00	1119.08	1098.08	2435	2485	85.68	183.31	306.81	
								2502
904.00	1121.58	1100.58	2435	2485	85.50	182.97	306.30	
								2633
906.00	1124.22	1103.22	2435	2486	85.31	182.58	305.72	
								2483
908.00	1126.70	1105.70	2435	2486	85.14	182.25	305.22	
								2535
910.00	1129.24	1108.24	2436	2486	84.96	181.90	304.69	

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
								2611
912.00	1131.85	1110.85	2436	2486	84.77	181.53	304.13	
								2595
914.00	1134.44	1113.44	2436	2486	84.59	181.17	303.58	
								2397
916.00	1136.84	1115.84	2436	2486	84.43	180.86	303.12	
								2401
918.00	1139.24	1118.24	2436	2486	84.27	180.56	302.67	
								2566
920.00	1141.81	1120.81	2437	2486	84.09	180.21	302.13	
								2676
922.00	1144.48	1123.48	2437	2486	83.90	179.82	301.55	
								2556
924.00	1147.04	1126.04	2437	2487	83.72	179.48	301.02	
								2458
926.00	1149.50	1128.50	2437	2487	83.56	179.16	300.55	
								2558
928.00	1152.05	1131.05	2438	2487	83.38	178.82	300.02	
								2588
930.00	1154.64	1133.64	2438	2487	83.21	178.46	299.49	
								2506
932.00	1157.15	1136.15	2438	2487	83.04	178.14	298.99	
								2434
934.00	1159.58	1138.58	2438	2487	82.88	177.83	298.53	
								2613
936.00	1162.19	1141.19	2438	2487	82.70	177.48	297.99	
								2584
938.00	1164.78	1143.78	2439	2487	82.53	177.13	297.46	
								2665
940.00	1167.44	1146.44	2439	2488	82.34	176.76	296.90	
								2588
942.00	1170.03	1149.03	2440	2488	82.17	176.42	296.38	
								2490
944.00	1172.52	1151.52	2440	2488	82.01	176.10	295.90	
								2456
946.00	1174.98	1153.98	2440	2488	81.85	175.80	295.43	
								2518
948.00	1177.49	1156.49	2440	2488	81.69	175.48	294.95	
								2506
950.00	1180.00	1159.00	2440	2488	81.53	175.16	294.46	
								2379
952.00	1182.38	1161.38	2440	2488	81.38	174.88	294.04	
								2703
954.00	1185.08	1164.08	2440	2488	81.20	174.51	293.47	
								2415
956.00	1187.50	1166.50	2440	2488	81.05	174.22	293.03	
								2559
958.00	1190.06	1169.06	2441	2488	80.88	173.89	292.53	

TWO-WAY TRAVEL TIME FROM SRD MS	MEASURED DEPTH FROM KB M	VERTICAL DEPTH FROM SRD M	AVERAGE VELOCITY SRD/GEO M/S	RMS VELOCITY M/S	FIRST NORMAL MOVEOUT MS	SECOND NORMAL MOVEOUT MS	THIRD NORMAL MOVEOUT MS	INTERVAL VELOCITY M/S
								2487
960.00	1192.54	1171.54	2441	2488	80.73	173.58	292.06	
								2403
962.00	1194.95	1173.95	2441	2488	80.58	173.30	291.63	
								2555
964.00	1197.50	1176.50	2441	2488	80.42	172.98	291.14	
								2365
966.00	1199.87	1178.87	2441	2488	80.28	172.71	290.73	
								2485
968.00	1202.35	1181.35	2441	2488	80.13	172.40	290.27	
								2547
970.00	1204.90	1183.90	2441	2488	79.97	172.09	289.78	
								2360
972.00	1207.26	1186.26	2441	2488	79.83	171.82	289.38	
								2437
974.00	1209.69	1188.69	2441	2488	79.69	171.53	288.94	
								2472
976.00	1212.17	1191.17	2441	2488	79.54	171.24	288.49	
								2387
978.00	1214.55	1193.55	2441	2487	79.40	170.96	288.07	
								2434
980.00	1216.99	1195.99	2441	2487	79.26	170.68	287.64	
								2424
982.00	1219.41	1198.41	2441	2487	79.12	170.40	287.21	
								2446
984.00	1221.86	1200.86	2441	2487	78.97	170.11	286.78	
								2454
986.00	1224.31	1203.31	2441	2487	78.83	169.83	286.34	
								2446
988.00	1226.76	1205.76	2441	2487	78.69	169.55	285.91	
								2445
990.00	1229.20	1208.20	2441	2487	78.54	169.26	285.48	
								2453
992.00	1231.66	1210.66	2441	2487	78.40	168.98	285.05	
								2443
994.00	1234.10	1213.10	2441	2487	78.26	168.70	284.62	
								2410
996.00	1236.51	1215.51	2441	2487	78.12	168.43	284.20	
								2543
998.00	1239.05	1218.05	2441	2487	77.97	168.13	283.74	
								2333
1000.00	1241.38	1220.38	2441	2486	77.85	167.88	283.36	
								2477
1002.00	1243.86	1222.86	2441	2486	77.70	167.59	282.92	
								2508
1004.00	1246.37	1225.37	2441	2486	77.56	167.30	282.47	
								2434
1006.00	1248.80	1227.80	2441	2486	77.42	167.03	282.05	

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
								2497
1008.00	1251.30	1230.30	2441	2486	77.27	166.74	281.61	
								2383
1010.00	1253.68	1232.68	2441	2486	77.14	166.48	281.21	
								2417
1012.00	1256.10	1235.10	2441	2486	77.01	166.22	280.81	
								2434
1014.00	1258.54	1237.54	2441	2486	76.88	165.95	280.39	
								2540
1016.00	1261.08	1240.08	2441	2486	76.73	165.65	279.94	
								2464
1018.00	1263.54	1242.54	2441	2486	76.59	165.38	279.52	
								2442
1020.00	1265.98	1244.98	2441	2486	76.46	165.11	279.10	
								2489
1022.00	1268.47	1247.47	2441	2486	76.32	164.83	278.67	
								2525
1024.00	1271.00	1250.00	2441	2486	76.17	164.54	278.23	
								2500
1026.00	1273.50	1252.50	2442	2486	76.03	164.27	277.80	
								2539
1028.00	1276.04	1255.04	2442	2486	75.89	163.98	277.35	
								2557
1030.00	1278.59	1257.59	2442	2486	75.74	163.68	276.90	
								2537
1032.00	1281.13	1260.13	2442	2486	75.60	163.40	276.45	
								2709
1034.00	1283.84	1262.84	2443	2487	75.44	163.07	275.94	
								2495
1036.00	1286.33	1265.33	2443	2487	75.30	162.80	275.52	
								2570
1038.00	1288.90	1267.90	2443	2487	75.16	162.51	275.07	
								2597
1040.00	1291.50	1270.50	2443	2487	75.01	162.21	274.61	
								2635
1042.00	1294.14	1273.14	2444	2488	74.86	161.90	274.13	
								2716
1044.00	1296.85	1275.85	2444	2488	74.70	161.58	273.63	
								2748
1046.00	1299.60	1278.60	2445	2488	74.53	161.25	273.11	
								2574
1048.00	1302.17	1281.17	2445	2489	74.39	160.96	272.66	
								2635
1050.00	1304.81	1283.81	2445	2489	74.24	160.66	272.19	
								2679
1052.00	1307.49	1286.49	2446	2489	74.09	160.35	271.71	
								2647
1054.00	1310.14	1289.14	2446	2490	73.94	160.05	271.24	

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
								2689
1056.00	1312.82	1291.82	2447	2490	73.79	159.74	270.75	
								2795
1058.00	1315.62	1294.62	2447	2491	73.62	159.40	270.23	
								2779
1060.00	1318.40	1297.40	2448	2491	73.46	159.07	269.71	
								2788
1062.00	1321.19	1300.19	2449	2492	73.30	158.74	269.19	
								2736
1064.00	1323.92	1302.92	2449	2492	73.14	158.43	268.69	
								2724
1066.00	1326.65	1305.65	2450	2493	72.99	158.11	268.20	
								2750
1068.00	1329.40	1308.40	2450	2493	72.83	157.80	267.70	
								2755
1070.00	1332.15	1311.15	2451	2494	72.67	157.48	267.20	
								2774
1072.00	1334.92	1313.92	2451	2494	72.51	157.16	266.69	
								2662
1074.00	1337.59	1316.59	2452	2495	72.37	156.86	266.23	
								2640
1076.00	1340.23	1319.23	2452	2495	72.23	156.58	265.78	
								2623
1078.00	1342.85	1321.85	2452	2495	72.09	156.29	265.34	
								2679
1080.00	1345.53	1324.53	2453	2496	71.94	156.00	264.88	
								2715
1082.00	1348.24	1327.24	2453	2496	71.80	155.70	264.41	
								2714
1084.00	1350.96	1329.96	2454	2496	71.65	155.40	263.93	
								2660
1086.00	1353.62	1332.62	2454	2497	71.51	155.11	263.48	
								2662
1088.00	1356.28	1335.28	2455	2497	71.37	154.83	263.03	
								2692
1090.00	1358.97	1337.97	2455	2497	71.22	154.53	262.57	
								2754
1092.00	1361.73	1340.73	2456	2498	71.07	154.23	262.09	
								2786
1094.00	1364.51	1343.51	2456	2498	70.92	153.92	261.60	
								2713
1096.00	1367.22	1346.22	2457	2499	70.78	153.62	261.14	
								2661
1098.00	1369.89	1348.89	2457	2499	70.64	153.34	260.70	
								2605
1100.00	1372.49	1351.49	2457	2499	70.51	153.08	260.28	
								2651
1102.00	1375.14	1354.14	2458	2500	70.37	152.80	259.84	

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
								2746
1104.00	1377.89	1356.89	2458	2500	70.23	152.50	259.37	
								2765
1106.00	1380.65	1359.65	2459	2501	70.08	152.20	258.90	
								2767
1108.00	1383.42	1362.42	2459	2501	69.93	151.90	258.42	
								2656
1110.00	1386.08	1365.08	2460	2501	69.80	151.63	257.99	
								2692
1112.00	1388.77	1367.77	2460	2502	69.66	151.35	257.55	
								2687
1114.00	1391.45	1370.45	2460	2502	69.53	151.07	257.11	
								2681
1116.00	1394.13	1373.13	2461	2502	69.39	150.79	256.67	
								2700
1118.00	1396.83	1375.83	2461	2503	69.25	150.51	256.23	
								2708
1120.00	1399.54	1378.54	2462	2503	69.12	150.23	255.79	
								2705
1122.00	1402.25	1381.25	2462	2504	68.98	149.96	255.35	
								2746
1124.00	1404.99	1383.99	2463	2504	68.84	149.67	254.89	
								2808
1126.00	1407.80	1386.80	2463	2505	68.69	149.37	254.42	
								2743
1128.00	1410.55	1389.55	2464	2505	68.56	149.09	253.97	
								2786
1130.00	1413.33	1392.33	2464	2506	68.41	148.80	253.50	
								2800
1132.00	1416.13	1395.13	2465	2506	68.27	148.50	253.04	
								2775
1134.00	1418.91	1397.91	2465	2507	68.13	148.21	252.58	
								2788
1136.00	1421.69	1400.69	2466	2507	67.99	147.92	252.12	
								2722
1138.00	1424.42	1403.42	2466	2507	67.86	147.65	251.69	
								2814
1140.00	1427.23	1406.23	2467	2508	67.71	147.36	251.22	
								2786
1142.00	1430.02	1409.02	2468	2509	67.58	147.07	250.77	
								2867
1144.00	1432.88	1411.88	2468	2509	67.43	146.77	250.29	
								2803
1146.00	1435.69	1414.69	2469	2510	67.29	146.48	249.83	
								2779
1148.00	1438.47	1417.47	2469	2510	67.15	146.20	249.38	
								2667
1150.00	1441.13	1420.13	2470	2511	67.03	145.95	248.97	

TWO-WAY TRAVEL TIME FROM SRD MS	MEASURED DEPTH FROM KB M	VERTICAL DEPTH FROM SRD M	AVERAGE VELOCITY SRD/GEO M/S	RMS VELOCITY M/S	FIRST NORMAL MOVEOUT MS	SECOND NORMAL MOVEOUT MS	THIRD NORMAL MOVEOUT MS	INTERVAL VELOCITY M/S
								2739
1152.00	1443.87	1422.87	2470	2511	66.90	145.68	248.54	
								2785
1154.00	1446.66	1425.66	2471	2511	66.76	145.40	248.10	
								2703
1156.00	1449.36	1428.36	2471	2512	66.63	145.14	247.68	
								2758
1158.00	1452.12	1431.12	2472	2512	66.50	144.87	247.25	
								2785
1160.00	1454.90	1433.90	2472	2513	66.37	144.59	246.81	
								2768
1162.00	1457.67	1436.67	2473	2513	66.24	144.32	246.38	
								2820
1164.00	1460.49	1439.49	2473	2514	66.10	144.04	245.93	
								2781
1166.00	1463.27	1442.27	2474	2514	65.97	143.76	245.49	
								2716
1168.00	1465.99	1444.99	2474	2515	65.84	143.51	245.08	
								2759
1170.00	1468.75	1447.75	2475	2515	65.71	143.24	244.66	
								2864
1172.00	1471.61	1450.61	2475	2516	65.58	142.95	244.20	
								2812
1174.00	1474.42	1453.42	2476	2516	65.44	142.68	243.76	
								2879
1176.00	1477.30	1456.30	2477	2517	65.30	142.39	243.30	
								2807
1178.00	1480.11	1459.11	2477	2517	65.17	142.12	242.87	
								2756
1180.00	1482.87	1461.87	2478	2518	65.05	141.86	242.45	
								2726
1182.00	1485.59	1464.59	2478	2518	64.92	141.61	242.05	
								2678
1184.00	1488.27	1467.27	2478	2518	64.81	141.36	241.66	
								2714
1186.00	1490.98	1469.98	2479	2519	64.69	141.12	241.26	
								2803
1188.00	1493.79	1472.79	2479	2519	64.56	140.85	240.83	
								2774
1190.00	1496.56	1475.56	2480	2520	64.43	140.59	240.42	
								2682
1192.00	1499.24	1478.24	2480	2520	64.31	140.35	240.03	
								2729
1194.00	1501.97	1480.97	2481	2520	64.19	140.10	239.63	
								2737
1196.00	1504.71	1483.71	2481	2521	64.07	139.85	239.23	
								2678
1198.00	1507.39	1486.39	2481	2521	63.96	139.61	238.85	

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	1510.09	1489.09	2482	2521	63.84	139.37	238.47	2698
1202.00	1512.74	1491.74	2482	2522	63.73	139.14	238.10	2653
1204.00	1515.31	1494.31	2482	2522	63.63	138.93	237.75	2570
1206.00	1517.95	1496.95	2483	2522	63.52	138.70	237.39	2642
1208.00	1520.59	1499.59	2483	2522	63.41	138.47	237.03	2641
1210.00	1523.25	1502.25	2483	2522	63.30	138.24	236.66	2656
1212.00	1525.97	1504.97	2483	2523	63.18	138.00	236.27	2722
1214.00	1528.70	1507.70	2484	2523	63.06	137.76	235.89	2726
1216.00	1531.35	1510.35	2484	2523	62.95	137.54	235.52	2654
1218.00	1534.13	1513.13	2485	2524	62.83	137.29	235.12	2783
1220.00	1536.79	1515.79	2485	2524	62.72	137.06	234.76	2660
1222.00	1539.39	1518.39	2485	2524	62.62	136.85	234.42	2596
1224.00	1541.94	1520.94	2485	2524	62.52	136.64	234.09	2548
1226.00	1544.47	1523.47	2485	2524	62.42	136.44	233.77	2532
1228.00	1546.98	1525.98	2485	2524	62.33	136.24	233.45	2514
1230.00	1549.53	1528.53	2485	2524	62.23	136.04	233.13	2543
1232.00	1552.09	1531.09	2486	2524	62.13	135.83	232.80	2567
1234.00	1554.59	1533.59	2486	2524	62.04	135.64	232.49	2498
1236.00	1557.08	1536.08	2486	2524	61.94	135.45	232.18	2491
1238.00	1559.56	1538.56	2486	2524	61.85	135.25	231.87	2481
1240.00	1562.03	1541.03	2486	2524	61.76	135.07	231.57	2470
1242.00	1564.52	1543.52	2486	2524	61.67	134.88	231.27	2487
1244.00	1567.04	1546.05	2486	2524	61.57	134.68	230.96	2523
1246.00	1569.57	1548.57	2486	2524	61.48	134.49	230.64	2522

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
								2549
1248.00	1572.12	1551.12	2486	2524	61.38	134.29	230.32	
								2536
1250.00	1574.65	1553.65	2486	2524	61.29	134.09	230.01	
								2519
1252.00	1577.17	1556.17	2486	2524	61.20	133.90	229.70	
								2483
1254.00	1579.65	1558.65	2486	2524	61.11	133.71	229.40	
								2518
1256.00	1582.17	1561.17	2486	2524	61.01	133.52	229.09	
								2459
1258.00	1584.63	1563.63	2486	2524	60.93	133.34	228.80	
								2614
1260.00	1587.25	1566.25	2486	2524	60.83	133.13	228.47	
								2656
1262.00	1589.90	1568.90	2486	2524	60.73	132.92	228.13	
								2369
1264.00	1592.27	1571.27	2486	2524	60.65	132.75	227.86	
								2691
1266.00	1594.96	1573.96	2487	2524	60.54	132.54	227.51	
								2540
1268.00	1597.50	1576.50	2487	2524	60.45	132.35	227.20	
								2433
1270.00	1599.93	1578.93	2487	2524	60.36	132.17	226.92	
								2488
1272.00	1602.42	1581.42	2487	2524	60.28	131.99	226.63	
								2552
1274.00	1604.97	1583.97	2487	2524	60.18	131.80	226.32	
								2438
1276.00	1607.41	1586.41	2487	2524	60.10	131.62	226.04	
								2527
1278.00	1609.94	1588.94	2487	2524	60.01	131.43	225.74	
								2501
1280.00	1612.44	1591.44	2487	2524	59.92	131.25	225.45	
								2594
1282.00	1615.03	1594.03	2487	2524	59.83	131.06	225.13	
								2432
1284.00	1617.47	1596.47	2487	2524	59.75	130.88	224.85	
								2611
1286.00	1620.08	1599.08	2487	2524	59.65	130.69	224.53	
								2521
1288.00	1622.60	1601.60	2487	2524	59.56	130.50	224.24	
								2547
1290.00	1625.14	1604.14	2487	2524	59.47	130.31	223.94	
								2399
1292.00	1627.54	1606.54	2487	2524	59.39	130.15	223.67	
								2422
1294.00	1629.96	1608.97	2487	2524	59.31	129.98	223.40	

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
								2474
1296.00	1632.44	1611.44	2487	2524	59.23	129.81	223.12	
								2512
1298.00	1634.95	1613.95	2487	2524	59.14	129.63	222.83	
								2488
1300.00	1637.44	1616.44	2487	2523	59.06	129.45	222.55	
								2642
1302.00	1640.08	1619.08	2487	2524	58.96	129.25	222.22	
								2448
1304.00	1642.53	1621.53	2487	2524	58.88	129.08	221.95	
								2620
1306.00	1645.15	1624.15	2487	2524	58.79	128.89	221.64	
								2523
1308.00	1647.67	1626.67	2487	2524	58.70	128.71	221.35	
								2486
1310.00	1650.16	1629.16	2487	2524	58.62	128.54	221.07	
								2467
1312.00	1652.63	1631.63	2487	2524	58.54	128.37	220.79	
								2598
1314.00	1655.22	1634.22	2487	2524	58.45	128.18	220.48	
								2543
1316.00	1657.77	1636.77	2487	2524	58.36	128.00	220.19	
								2664
1318.00	1660.43	1639.43	2488	2524	58.26	127.80	219.87	
								2699
1320.00	1663.13	1642.13	2488	2524	58.17	127.59	219.54	
								2570
1322.00	1665.70	1644.70	2488	2524	58.08	127.41	219.25	
								2594
1324.00	1668.29	1647.29	2488	2524	57.99	127.23	218.94	
								2611
1326.00	1670.90	1649.90	2489	2525	57.90	127.04	218.64	
								2513
1328.00	1673.42	1652.42	2489	2524	57.82	126.87	218.36	
								2546
1330.00	1675.96	1654.96	2489	2525	57.73	126.69	218.07	
								2479
1332.00	1678.44	1657.44	2489	2524	57.65	126.52	217.80	
								2537
1334.00	1680.98	1659.98	2489	2524	57.57	126.35	217.52	
								2550
1336.00	1683.53	1662.53	2489	2525	57.49	126.17	217.23	
								2554
1338.00	1686.08	1665.08	2489	2525	57.40	125.99	216.94	
								2554
1340.00	1688.64	1667.64	2489	2525	57.32	125.82	216.66	
								2483
1342.00	1691.12	1670.12	2489	2525	57.24	125.65	216.39	

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
								2425
1344.00	1693.55	1672.55	2489	2524	57.16	125.49	216.14	
								2467
1346.00	1696.01	1675.01	2489	2524	57.09	125.33	215.87	
								2662
1348.00	1698.67	1677.67	2489	2525	56.99	125.14	215.56	
								2474
1350.00	1701.15	1680.15	2489	2524	56.92	124.98	215.30	
								2589
1352.00	1703.74	1682.74	2489	2525	56.83	124.80	215.01	
								2819
1354.00	1706.56	1685.56	2490	2525	56.73	124.59	214.66	
								2826
1356.00	1709.38	1688.38	2490	2525	56.63	124.37	214.32	
								2884
1358.00	1712.26	1691.27	2491	2526	56.53	124.15	213.95	
								2882
1360.00	1715.15	1694.15	2491	2527	56.42	123.93	213.59	
								2832
1362.00	1717.98	1696.98	2492	2527	56.32	123.72	213.25	
								2967
1364.00	1720.95	1699.95	2493	2528	56.21	123.49	212.87	
								2933
1366.00	1723.88	1702.88	2493	2528	56.10	123.26	212.50	
								3057
1368.00	1726.94	1705.94	2494	2529	55.99	123.02	212.09	
								2950
1370.00	1729.89	1708.89	2495	2530	55.88	122.79	211.72	
								2943
1372.00	1732.83	1711.83	2495	2531	55.77	122.57	211.35	
								2987
1374.00	1735.82	1714.82	2496	2531	55.67	122.34	210.97	
								3060
1376.00	1738.88	1717.88	2497	2532	55.55	122.10	210.58	
								3040
1378.00	1741.92	1720.92	2498	2533	55.44	121.86	210.18	
								2968
1380.00	1744.88	1723.88	2498	2534	55.33	121.63	209.81	
								2919
1382.00	1747.80	1726.80	2499	2534	55.23	121.42	209.46	
								2983
1384.00	1750.79	1729.79	2500	2535	55.12	121.19	209.09	
								2998
1386.00	1753.78	1732.78	2500	2536	55.01	120.96	208.71	
								2869
1388.00	1756.65	1735.65	2501	2536	54.92	120.75	208.37	
								2866
1390.00	1759.52	1738.52	2501	2537	54.82	120.55	208.03	

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
								2795
1392.00	1762.32	1741.32	2502	2537	54.73	120.35	207.71	
								2898
1394.00	1765.21	1744.21	2502	2538	54.63	120.14	207.37	
								2984
1396.00	1768.20	1747.20	2503	2538	54.52	119.92	207.00	
								3025
1398.00	1771.22	1750.22	2504	2539	54.42	119.69	206.63	
								2908
1400.00	1774.13	1753.13	2504	2540	54.32	119.49	206.29	
								3003
1402.00	1777.13	1756.13	2505	2540	54.21	119.26	205.92	
								3148
1404.00	1780.28	1759.28	2506	2541	54.10	119.02	205.52	
								3040
1406.00	1783.32	1762.32	2507	2542	53.99	118.79	205.15	
								3023
1408.00	1786.34	1765.34	2508	2543	53.89	118.57	204.78	
								3153
1410.00	1789.50	1768.50	2509	2544	53.77	118.33	204.38	
								3158
1412.00	1792.66	1771.66	2509	2545	53.66	118.09	203.98	
								3050
1414.00	1795.71	1774.71	2510	2546	53.55	117.86	203.61	
								3073
1416.00	1798.78	1777.78	2511	2546	53.45	117.64	203.24	
								3006
1418.00	1801.79	1780.79	2512	2547	53.34	117.42	202.88	
								2967
1420.00	1804.75	1783.75	2512	2548	53.25	117.21	202.53	
								2864
1422.00	1807.62	1786.62	2513	2548	53.15	117.02	202.21	
								2778
1424.00	1810.39	1789.39	2513	2549	53.07	116.84	201.91	
								2863
1426.00	1813.26	1792.26	2514	2549	52.98	116.64	201.60	
								2634
1428.00	1815.89	1794.89	2514	2549	52.90	116.48	201.33	
								2734
1430.00	1818.63	1797.63	2514	2549	52.82	116.31	201.05	
								2782
1432.00	1821.41	1800.41	2515	2550	52.73	116.13	200.75	
								2830
1434.00	1824.24	1803.24	2515	2550	52.65	115.94	200.44	
								2812
1436.00	1827.05	1806.05	2515	2551	52.56	115.76	200.14	
								2778
1438.00	1829.83	1808.83	2516	2551	52.48	115.58	199.85	

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
								2901
1440.00	1832.73	1811.73	2516	2551	52.38	115.39	199.53	
								2733
1442.00	1835.46	1814.46	2517	2552	52.30	115.22	199.25	
								2887
1444.00	1838.35	1817.35	2517	2552	52.21	115.03	198.93	
								2851
1446.00	1841.20	1820.20	2518	2553	52.13	114.84	198.63	
								2748
1448.00	1843.95	1822.95	2518	2553	52.05	114.67	198.34	
								2783
1450.00	1846.73	1825.73	2518	2553	51.96	114.49	198.05	
								2828
1452.00	1849.56	1828.56	2519	2554	51.88	114.31	197.76	
								2897
1454.00	1852.45	1831.45	2519	2554	51.79	114.12	197.44	
								2820
1456.00	1855.27	1834.27	2520	2555	51.71	113.95	197.15	
								2870
1458.00	1858.14	1837.14	2520	2555	51.62	113.76	196.84	
								2845
1460.00	1860.99	1839.99	2521	2555	51.53	113.58	196.55	
								3147
1462.00	1864.14	1843.14	2521	2556	51.43	113.36	196.18	
								3017
1464.00	1867.15	1846.15	2522	2557	51.34	113.16	195.84	
								2957
1466.00	1870.11	1849.11	2523	2558	51.24	112.96	195.52	
								2954
1468.00	1873.06	1852.06	2523	2558	51.15	112.77	195.20	
								2930
1470.00	1875.99	1854.99	2524	2559	51.07	112.58	194.89	
								2798
1472.00	1878.79	1857.79	2524	2559	50.99	112.41	194.61	
								2918
1474.00	1881.71	1860.71	2525	2560	50.90	112.23	194.30	
								2815
1476.00	1884.52	1863.52	2525	2560	50.82	112.05	194.02	
								2823
1478.00	1887.35	1866.35	2526	2560	50.74	111.88	193.73	
								2679
1480.00	1890.02	1869.03	2526	2560	50.66	111.73	193.48	
								2747
1482.00	1892.77	1871.77	2526	2561	50.59	111.56	193.21	
								2751
1484.00	1895.52	1874.52	2526	2561	50.51	111.40	192.94	
								2782
1486.00	1898.31	1877.31	2527	2561	50.43	111.24	192.67	

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
								2926
1488.00	1901.23	1880.23	2527	2562	50.35	111.05	192.36	
								2954
1490.00	1904.19	1883.19	2528	2562	50.26	110.87	192.05	
								2860
1492.00	1907.05	1886.05	2528	2563	50.18	110.69	191.77	
								2800
1494.00	1909.85	1888.85	2529	2563	50.10	110.53	191.49	
								2827
1496.00	1912.67	1891.67	2529	2564	50.02	110.36	191.21	
								2859
1498.00	1915.53	1894.53	2529	2564	49.94	110.19	190.93	
								2835
1500.00	1918.37	1897.37	2530	2564	49.86	110.02	190.65	
								2907
1502.00	1921.27	1900.27	2530	2565	49.78	109.84	190.36	
								2868
1504.00	1924.14	1903.14	2531	2565	49.70	109.67	190.07	
								2881
1506.00	1927.02	1906.02	2531	2566	49.62	109.50	189.78	
								2917
1508.00	1929.94	1908.94	2532	2566	49.54	109.32	189.49	
								2918
1510.00	1932.86	1911.86	2532	2567	49.45	109.15	189.20	
								2916
1512.00	1935.77	1914.77	2533	2567	49.37	108.97	188.91	
								2983
1514.00	1938.76	1917.76	2533	2568	49.29	108.79	188.60	
								2992
1516.00	1941.75	1920.75	2534	2568	49.20	108.61	188.30	
								2990
1518.00	1944.74	1923.74	2535	2569	49.11	108.42	187.99	
								2941
1520.00	1947.68	1926.68	2535	2569	49.03	108.25	187.70	
								2972
1522.00	1950.65	1929.65	2536	2570	48.95	108.07	187.40	
								3003
1524.00	1953.65	1932.65	2536	2571	48.86	107.89	187.10	
								3002
1526.00	1956.66	1935.66	2537	2571	48.78	107.70	186.80	
								2936
1528.00	1959.59	1938.59	2537	2572	48.70	107.53	186.51	
								3050
1530.00	1962.64	1941.64	2538	2572	48.61	107.34	186.20	
								3184
1532.00	1965.83	1944.83	2539	2573	48.52	107.14	185.86	
								3211
1534.00	1969.04	1948.04	2540	2574	48.42	106.94	185.52	

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
								3155
1536.00	1972.19	1951.19	2541	2575	48.33	106.74	185.19	
								2999
1538.00	1975.19	1954.19	2541	2576	48.24	106.56	184.89	
								2916
1540.00	1978.11	1957.11	2542	2576	48.17	106.39	184.61	
								3005
1542.00	1981.11	1960.11	2542	2577	48.08	106.22	184.32	
								2951
1544.00	1984.06	1963.06	2543	2577	48.00	106.05	184.03	
								3038
1546.00	1987.10	1966.10	2543	2578	47.92	105.87	183.73	
								3065
1548.00	1990.16	1969.16	2544	2579	47.83	105.68	183.43	
								2949
1550.00	1993.11	1972.11	2545	2579	47.76	105.52	183.15	
								3084
1552.00	1996.20	1975.20	2545	2580	47.67	105.33	182.84	
								3121
1554.00	1999.32	1978.32	2546	2581	47.58	105.14	182.53	
								3061
1556.00	2002.38	1981.38	2547	2581	47.50	104.96	182.23	
								3145
1558.00	2005.52	1984.52	2548	2582	47.41	104.77	181.91	
								3020
1560.00	2008.54	1987.54	2548	2583	47.33	104.60	181.62	
								3222
1562.00	2011.77	1990.77	2549	2584	47.24	104.40	181.29	
								3355
1564.00	2015.12	1994.12	2550	2585	47.14	104.19	180.93	
								3567
1566.00	2018.69	1997.69	2551	2586	47.03	103.95	180.53	
								3703
1568.00	2022.39	2001.39	2553	2588	46.91	103.69	180.09	
								3337
1570.00	2025.73	2004.73	2554	2589	46.81	103.48	179.74	
								3348
1572.00	2029.08	2008.08	2555	2590	46.71	103.27	179.39	
								3598
1574.00	2032.67	2011.67	2556	2592	46.60	103.03	178.98	
								4138
1576.00	2036.81	2015.81	2558	2594	46.45	102.71	178.45	
								3371
1578.00	2040.18	2019.18	2559	2595	46.36	102.50	178.10	
								3565
1580.00	2043.75	2022.75	2560	2597	46.25	102.27	177.71	
								2991
1582.00	2046.74	2025.74	2561	2597	46.17	102.11	177.43	

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								3004
1584.00	2049.74	2028.74	2562	2598	46.10	101.95	177.16	
								2926
1586.00	2052.67	2031.67	2562	2598	46.02	101.79	176.90	
								3341
1588.00	2056.01	2035.01	2563	2600	45.93	101.59	176.56	
								3339
1590.00	2059.35	2038.35	2564	2601	45.84	101.39	176.23	
								3451
1592.00	2062.80	2041.80	2565	2602	45.74	101.18	175.87	
								3245
1594.00	2066.04	2045.04	2566	2603	45.65	100.99	175.55	
								3322
1596.00	2069.37	2048.37	2567	2604	45.56	100.79	175.22	
								3452
1598.00	2072.82	2051.82	2568	2605	45.46	100.58	174.87	
								3423
1600.00	2076.24	2055.24	2569	2606	45.37	100.37	174.52	
								3548
1602.00	2079.79	2058.79	2570	2608	45.26	100.15	174.15	
								3598
1604.00	2083.39	2062.39	2572	2609	45.16	99.92	173.77	
								3462
1606.00	2086.85	2065.85	2573	2610	45.06	99.72	173.41	
								3501
1608.00	2090.35	2069.35	2574	2612	44.96	99.50	173.06	
								3593
1610.00	2093.94	2072.95	2575	2613	44.86	99.28	172.68	
								3727
1612.00	2097.67	2076.67	2577	2615	44.75	99.04	172.28	
								3507
1614.00	2101.18	2080.18	2578	2616	44.65	98.83	171.92	
								3627
1616.00	2104.81	2083.81	2579	2617	44.55	98.61	171.54	
								3650
1618.00	2108.46	2087.46	2580	2619	44.44	98.38	171.16	
								3542
1620.00	2112.00	2091.00	2581	2620	44.34	98.17	170.80	
								3672
1622.00	2115.67	2094.67	2583	2622	44.24	97.94	170.42	
								3444
1624.00	2119.12	2098.12	2584	2623	44.15	97.74	170.08	
								3886
1626.00	2123.00	2102.00	2585	2625	44.03	97.49	169.66	
								3954
1628.00	2126.96	2105.96	2587	2627	43.91	97.23	169.22	
								4211
1630.00	2131.17	2110.17	2589	2630	43.77	96.93	168.72	

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								3906
1632.00	2135.07	2114.07	2591	2631	43.66	96.68	168.29	
								3602
1634.00	2138.67	2117.67	2592	2633	43.56	96.47	167.94	
								3359
1636.00	2142.03	2121.03	2593	2634	43.48	96.29	167.63	
								3293
1638.00	2145.33	2124.33	2594	2635	43.39	96.11	167.33	
								3156
1640.00	2148.48	2127.48	2594	2636	43.32	95.95	167.06	
								2832
1642.00	2151.31	2130.31	2595	2636	43.26	95.82	166.85	
								2693
1644.00	2154.01	2133.01	2595	2636	43.21	95.71	166.65	
								3056
1646.00	2157.06	2136.06	2595	2636	43.14	95.56	166.40	
								3429
1648.00	2160.49	2139.49	2596	2637	43.05	95.37	166.09	
								3374
1650.00	2163.87	2142.87	2597	2639	42.97	95.19	165.78	
								3354
1652.00	2167.22	2146.22	2598	2639	42.89	95.01	165.48	
								3351
1654.00	2170.57	2149.57	2599	2640	42.80	94.84	165.18	
								3425
1656.00	2174.00	2153.00	2600	2642	42.72	94.65	164.87	
								3550
1658.00	2177.55	2156.55	2601	2643	42.63	94.46	164.54	
								3787
1660.00	2181.33	2160.33	2603	2645	42.52	94.23	164.16	
								3639
1662.00	2184.97	2163.97	2604	2646	42.43	94.03	163.81	
								3631
1664.00	2188.60	2167.60	2605	2647	42.34	93.82	163.47	
								3707
1666.00	2192.31	2171.31	2607	2649	42.24	93.61	163.11	
								3952
1668.00	2196.26	2175.26	2608	2651	42.13	93.37	162.70	
								3582
1670.00	2199.84	2178.84	2609	2652	42.04	93.17	162.37	
								3601
1672.00	2203.44	2182.45	2611	2653	41.95	92.98	162.04	
								3509
1674.00	2206.95	2185.95	2612	2655	41.86	92.79	161.72	
								3531
1676.00	2210.48	2189.48	2613	2656	41.77	92.60	161.41	
								3515
1678.00	2214.00	2193.00	2614	2657	41.69	92.42	161.09	

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								3443
1680.00	2217.44	2196.44	2615	2658	41.61	92.24	160.79	
								3271
1682.00	2220.71	2199.71	2616	2659	41.53	92.08	160.52	
								3434
1684.00	2224.15	2203.15	2617	2660	41.45	91.91	160.23	
								3393
1686.00	2227.54	2206.54	2617	2661	41.37	91.74	159.94	
								3437
1688.00	2230.98	2209.98	2618	2662	41.29	91.56	159.65	
								3616
1690.00	2234.60	2213.60	2620	2663	41.21	91.37	159.32	
								3630
1692.00	2238.23	2217.23	2621	2665	41.12	91.18	159.00	
								3321
1694.00	2241.55	2220.55	2622	2666	41.04	91.02	158.72	
								3091
1696.00	2244.64	2223.64	2622	2666	40.98	90.88	158.49	
								2858
1698.00	2247.50	2226.50	2622	2666	40.92	90.77	158.29	
								3489
1700.00	2250.98	2229.98	2624	2667	40.84	90.59	158.00	
								3663
1702.00	2254.65	2233.65	2625	2669	40.76	90.40	157.67	
								4152
1704.00	2258.80	2237.80	2627	2671	40.64	90.15	157.25	
								3860
1706.00	2262.66	2241.66	2628	2673	40.54	89.94	156.89	
								3137
1708.00	2265.80	2244.80	2629	2673	40.48	89.80	156.65	
								2184
1710.00	2267.98	2246.98	2628	2673	40.45	89.73	156.55	
								2238
1712.00	2270.22	2249.22	2628	2672	40.42	89.66	156.43	
								3458
1714.00	2273.68	2252.68	2629	2673	40.34	89.50	156.14	
								3106
1716.00	2276.78	2255.78	2629	2674	40.28	89.36	155.92	
								2340
1718.00	2279.12	2258.12	2629	2674	40.24	89.29	155.79	
								2899
1720.00	2282.02	2261.02	2629	2674	40.19	89.17	155.59	
								3266
1722.00	2285.29	2264.29	2630	2675	40.12	89.02	155.34	
								3232
1724.00	2288.52	2267.52	2631	2675	40.05	88.88	155.10	
								3311
1726.00	2291.83	2270.83	2631	2676	39.98	88.73	154.84	

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1728.00	2294.83	2273.83	2632	2677	39.93	88.60	154.63	3005
1730.00	2298.15	2277.15	2633	2677	39.86	88.45	154.38	3316
1732.00	2301.51	2280.51	2633	2678	39.79	88.30	154.12	3360
1734.00	2304.72	2283.72	2634	2679	39.72	88.16	153.88	3212
1736.00	2307.69	2286.69	2634	2679	39.67	88.04	153.68	2964
1738.00	2311.24	2290.24	2635	2681	39.59	87.87	153.39	3554
1740.00	2314.45	2293.45	2636	2681	39.52	87.73	153.15	3211
1742.00	2317.58	2296.58	2637	2682	39.46	87.60	152.93	3128
1744.00	2320.69	2299.69	2637	2682	39.40	87.47	152.71	3111
1746.00	2323.83	2302.83	2638	2683	39.34	87.33	152.49	3139
1748.00	2327.07	2306.07	2639	2684	39.28	87.20	152.25	3239
1750.00	2330.38	2309.38	2639	2684	39.21	87.05	152.00	3312
1752.00	2333.51	2312.51	2640	2685	39.15	86.92	151.78	3129
1754.00	2337.22	2316.22	2641	2686	39.07	86.74	151.47	3709
1756.00	2340.43	2319.43	2642	2687	39.01	86.60	151.24	3208
1758.00	2343.81	2322.81	2643	2688	38.94	86.45	150.99	3384
1760.00	2347.38	2326.38	2644	2689	38.86	86.29	150.70	3573
1762.00	2350.72	2329.72	2644	2690	38.79	86.14	150.46	3342
1764.00	2354.19	2333.19	2645	2691	38.72	85.98	150.19	3465
1766.00	2356.90	2335.90	2645	2691	38.68	85.89	150.03	2714
1768.00	2359.58	2338.58	2645	2691	38.64	85.80	149.88	2676
1770.00	2363.19	2342.19	2647	2692	38.56	85.63	149.59	3611
1772.00	2366.78	2345.78	2648	2693	38.48	85.46	149.31	3595
1774.00	2370.20	2349.20	2648	2694	38.41	85.31	149.06	3419

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
								2944
1776.00	2373.15	2352.15	2649	2694	38.36	85.20	148.87	
								3510
1778.00	2376.66	2355.66	2650	2696	38.29	85.05	148.60	
								3389
1780.00	2380.05	2359.05	2651	2696	38.22	84.90	148.36	
								3549
1782.00	2383.59	2362.59	2652	2698	38.15	84.74	148.08	
								3360
1784.00	2386.95	2365.95	2652	2698	38.09	84.60	147.84	
								3123
1786.00	2390.08	2369.08	2653	2699	38.03	84.48	147.64	
								2982
1788.00	2393.06	2372.06	2653	2699	37.98	84.37	147.45	
								2958
1790.00	2396.02	2375.02	2654	2700	37.93	84.26	147.27	
								3095
1792.00	2399.11	2378.11	2654	2700	37.87	84.14	147.06	
								3507
1794.00	2402.62	2381.62	2655	2701	37.80	83.99	146.80	
								3651
1796.00	2406.27	2385.27	2656	2702	37.73	83.82	146.52	
								3438
1798.00	2409.71	2388.71	2657	2703	37.66	83.68	146.28	
								3265
1800.00	2412.97	2391.97	2658	2704	37.60	83.55	146.05	
								2966
1802.00	2415.94	2394.94	2658	2704	37.55	83.44	145.87	
								3532
1804.00	2419.47	2398.47	2659	2705	37.48	83.29	145.61	
								3356
1806.00	2422.83	2401.83	2660	2706	37.42	83.15	145.38	
								2781
1808.00	2425.61	2404.61	2660	2706	37.38	83.06	145.22	
								2328
1810.00	2427.94	2406.94	2660	2706	37.35	83.00	145.11	
								3600
1812.00	2431.54	2410.54	2661	2707	37.28	82.84	144.85	
								3750
1814.00	2435.29	2414.29	2662	2708	37.20	82.67	144.56	
								3436
1816.00	2438.72	2417.72	2663	2709	37.13	82.53	144.32	
								3455
1818.00	2442.18	2421.18	2664	2710	37.07	82.39	144.07	
								3201
1820.00	2445.38	2424.38	2664	2711	37.01	82.26	143.87	
								3338
1822.00	2448.72	2427.72	2665	2711	36.95	82.13	143.64	

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
								3570
1824.00	2452.29	2431.29	2666	2713	36.88	81.98	143.39	
								3008
1826.00	2455.29	2434.29	2666	2713	36.83	81.88	143.21	
								2762
1828.00	2458.06	2437.06	2666	2713	36.79	81.79	143.05	
								3590
1830.00	2461.65	2440.65	2667	2714	36.72	81.64	142.80	
								3622
1832.00	2465.27	2444.27	2668	2715	36.65	81.48	142.53	
								3478
1834.00	2468.75	2447.75	2669	2716	36.59	81.34	142.29	
								3414
1836.00	2472.16	2451.16	2670	2717	36.53	81.21	142.06	
								3350
1838.00	2475.51	2454.51	2671	2718	36.47	81.08	141.84	
								3366
1840.00	2478.88	2457.88	2672	2719	36.41	80.95	141.62	
								3435
1842.00	2482.31	2461.31	2672	2719	36.35	80.81	141.39	
								3458
1844.00	2485.77	2464.77	2673	2720	36.28	80.67	141.16	
								3409
1846.00	2489.18	2468.18	2674	2721	36.22	80.54	140.93	
								3056
1848.00	2492.23	2471.23	2674	2722	36.17	80.44	140.75	
								3189
1850.00	2495.42	2474.42	2675	2722	36.12	80.32	140.55	
								3051
1852.00	2498.47	2477.47	2675	2723	36.07	80.22	140.38	
								2824
1854.00	2501.30	2480.30	2676	2723	36.03	80.13	140.22	
								3313
1856.00	2504.61	2483.61	2676	2723	35.97	80.00	140.01	
								2876
1858.00	2507.49	2486.49	2677	2724	35.93	79.91	139.86	
								3110
1860.00	2510.59	2489.59	2677	2724	35.88	79.80	139.67	
								3469
1862.00	2514.06	2493.06	2678	2725	35.82	79.67	139.44	
								3726
1864.00	2517.79	2496.79	2679	2726	35.75	79.51	139.18	
								2966
1866.00	2520.76	2499.76	2679	2726	35.71	79.42	139.01	
								2928
1868.00	2523.68	2502.68	2680	2727	35.66	79.32	138.85	
								3432
1870.00	2527.12	2506.12	2680	2727	35.60	79.19	138.63	

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
								3493
1872.00	2530.61	2509.61	2681	2728	35.54	79.06	138.40	
								3371
1874.00	2533.98	2512.98	2682	2729	35.49	78.93	138.19	
								3334
1876.00	2537.31	2516.32	2683	2730	35.43	78.81	137.98	
								3528
1878.00	2540.84	2519.84	2684	2731	35.37	78.68	137.75	
								3692
1880.00	2544.53	2523.53	2685	2732	35.30	78.53	137.50	
								3577
1882.00	2548.11	2527.11	2686	2733	35.24	78.39	137.26	
								3620
1884.00	2551.73	2530.73	2687	2734	35.17	78.25	137.02	
								3690
1886.00	2555.42	2534.42	2688	2735	35.10	78.10	136.77	
								3502
1888.00	2558.92	2537.92	2688	2736	35.04	77.97	136.54	
								3577
1890.00	2562.50	2541.50	2689	2737	34.98	77.84	136.31	
								3603
1892.00	2566.10	2545.10	2690	2738	34.92	77.70	136.07	
								3706
1894.00	2569.81	2548.81	2691	2740	34.85	77.55	135.82	
								3514
1896.00	2573.32	2552.32	2692	2741	34.79	77.42	135.60	
								3102
1898.00	2576.42	2555.42	2693	2741	34.75	77.32	135.43	
								3518
1900.00	2579.94	2558.94	2694	2742	34.69	77.19	135.21	
								3746
1902.00	2583.69	2562.69	2695	2743	34.62	77.04	134.95	
								3548
1904.00	2587.24	2566.24	2696	2744	34.56	76.91	134.73	
								3452
1906.00	2590.69	2569.69	2696	2745	34.50	76.79	134.52	
								3132
1908.00	2593.82	2572.82	2697	2745	34.46	76.69	134.35	
								3502
1910.00	2597.32	2576.32	2698	2746	34.40	76.56	134.13	
								3037
1912.00	2600.36	2579.36	2698	2747	34.36	76.47	133.97	
								3339
1914.00	2603.70	2582.70	2699	2747	34.30	76.35	133.77	
								3416
1916.00	2607.11	2586.11	2699	2748	34.25	76.23	133.57	
								2696
1918.00	2609.81	2588.81	2699	2748	34.22	76.16	133.44	

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								3394
1920.00	2613.20	2592.20	2700	2749	34.16	76.04	133.24	
								3175
1922.00	2616.38	2595.38	2701	2749	34.12	75.94	133.07	
								3219
1924.00	2619.60	2598.60	2701	2750	34.07	75.84	132.89	
								3640
1926.00	2623.24	2602.24	2702	2751	34.01	75.70	132.66	
								3699
1928.00	2626.94	2605.94	2703	2752	33.94	75.57	132.42	
								3539
1930.00	2630.48	2609.48	2704	2753	33.89	75.44	132.21	
								3609
1932.00	2634.09	2613.09	2705	2754	33.83	75.31	131.99	
								3662
1934.00	2637.75	2616.75	2706	2755	33.77	75.18	131.76	
								3492
1936.00	2641.24	2620.24	2707	2756	33.71	75.06	131.55	
								3523
1938.00	2644.76	2623.76	2708	2757	33.66	74.93	131.34	
								3510
1940.00	2648.27	2627.27	2709	2758	33.60	74.81	131.13	
								3598
1942.00	2651.87	2630.87	2709	2759	33.54	74.68	130.91	
								3900
1944.00	2655.77	2634.77	2711	2760	33.47	74.54	130.66	
								3520
1946.00	2659.29	2638.29	2712	2761	33.42	74.41	130.45	
								3398
1948.00	2662.69	2641.69	2712	2762	33.37	74.30	130.26	
								3384
1950.00	2666.07	2645.07	2713	2762	33.32	74.19	130.07	
								3455
1952.00	2669.53	2648.53	2714	2763	33.26	74.08	129.87	
								2944
1954.00	2672.47	2651.47	2714	2763	33.23	73.99	129.73	
								3424
1956.00	2675.90	2654.90	2715	2764	33.17	73.88	129.53	
								3387
1958.00	2679.28	2658.28	2715	2765	33.12	73.77	129.35	
								3412
1960.00	2682.69	2661.69	2716	2766	33.07	73.66	129.16	
								3774
1962.00	2686.47	2665.47	2717	2767	33.01	73.52	128.92	
								3558
1964.00	2690.03	2669.03	2718	2768	32.96	73.40	128.72	
								3354
1966.00	2693.38	2672.38	2719	2768	32.91	73.30	128.53	

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								2773
1968.00	2696.15	2675.15	2719	2768	32.88	73.22	128.41	
								3419
1970.00	2699.57	2678.57	2719	2769	32.83	73.12	128.22	
								3674
1972.00	2703.25	2682.25	2720	2770	32.77	72.99	128.00	
								3751
1974.00	2707.00	2686.00	2721	2771	32.71	72.86	127.78	
								3267
1976.00	2710.26	2689.26	2722	2772	32.66	72.76	127.61	
								2998
1978.00	2713.26	2692.26	2722	2772	32.62	72.67	127.46	
								3828
1980.00	2717.09	2696.09	2723	2773	32.56	72.54	127.23	
								3212
1982.00	2720.30	2699.30	2724	2774	32.52	72.44	127.07	
								2972
1984.00	2723.27	2702.27	2724	2774	32.48	72.36	126.93	
								3397
1986.00	2726.67	2705.67	2725	2775	32.43	72.26	126.75	
								3818
1988.00	2730.49	2709.49	2726	2776	32.37	72.12	126.52	
								3962
1990.00	2734.45	2713.45	2727	2778	32.31	71.98	126.27	
								3469
1992.00	2737.92	2716.92	2728	2778	32.26	71.87	126.08	
								3804
1994.00	2741.72	2720.72	2729	2780	32.20	71.74	125.86	
								3703
1996.00	2745.43	2724.43	2730	2781	32.14	71.61	125.64	
								3490
1998.00	2748.92	2727.92	2731	2781	32.09	71.50	125.45	
								3361
2000.00	2752.28	2731.28	2731	2782	32.04	71.40	125.28	
								3691
2002.00	2755.97	2734.97	2732	2783	31.99	71.28	125.07	
								3757
2004.00	2759.72	2738.72	2733	2784	31.93	71.15	124.85	
								3420
2006.00	2763.14	2742.14	2734	2785	31.88	71.05	124.67	
								2793
2008.00	2765.94	2744.94	2734	2785	31.85	70.98	124.56	
								3892
2010.00	2769.83	2748.83	2735	2786	31.79	70.85	124.33	
								3529
2012.00	2773.36	2752.36	2736	2787	31.74	70.74	124.14	
								3765
2014.00	2777.12	2756.12	2737	2788	31.68	70.61	123.92	

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								3306
2016.00	2780.43	2759.43	2738	2789	31.64	70.52	123.76	
								3925
2018.00	2784.35	2763.35	2739	2790	31.58	70.38	123.53	
								4015
2020.00	2788.37	2767.37	2740	2792	31.52	70.24	123.28	
								3875
2022.00	2792.24	2771.24	2741	2793	31.46	70.11	123.06	
								4007
2024.00	2796.25	2775.25	2742	2794	31.39	69.97	122.82	
								3119
2026.00	2799.37	2778.37	2743	2795	31.36	69.89	122.68	
								3511
2028.00	2802.88	2781.88	2743	2796	31.31	69.78	122.49	
								3639
2030.00	2806.52	2785.52	2744	2796	31.26	69.67	122.30	
								3775
2032.00	2810.30	2789.30	2745	2798	31.20	69.55	122.09	
								3809
2034.00	2814.10	2793.10	2746	2799	31.14	69.43	121.88	
								3805
2036.00	2817.91	2796.91	2747	2800	31.09	69.30	121.67	
								3780
2038.00	2821.69	2800.69	2748	2801	31.03	69.18	121.46	
								3365
2040.00	2825.05	2804.05	2749	2802	30.99	69.09	121.29	
								2688
2042.00	2827.74	2806.74	2749	2802	30.96	69.03	121.19	
								3633
2044.00	2831.38	2810.38	2750	2803	30.91	68.92	121.00	
								3544
2046.00	2834.92	2813.92	2751	2803	30.86	68.81	120.82	
								3770
2048.00	2838.69	2817.69	2752	2804	30.81	68.69	120.62	
								3681
2050.00	2842.37	2821.37	2753	2805	30.76	68.58	120.42	
								2727
2052.00	2845.10	2824.10	2753	2805	30.73	68.52	120.32	
								2796
2054.00	2847.89	2826.89	2753	2805	30.70	68.45	120.21	
								3822
2056.00	2851.72	2830.72	2754	2807	30.65	68.33	120.00	
								4055
2058.00	2855.77	2834.77	2755	2808	30.59	68.20	119.77	
								3808
2060.00	2859.58	2838.58	2756	2809	30.53	68.08	119.56	
								3046
2062.00	2862.62	2841.62	2756	2809	30.50	68.01	119.43	

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								2675
2064.00	2865.30	2844.30	2756	2809	30.47	67.95	119.33	
								2675
2066.00	2867.97	2846.97	2756	2809	30.44	67.89	119.24	
								2671
2068.00	2870.64	2849.64	2756	2809	30.42	67.83	119.14	
								2351
2070.00	2873.00	2852.00	2756	2809	30.40	67.79	119.06	
								3586
2072.00	2876.58	2855.58	2756	2809	30.35	67.68	118.88	
								3772
2074.00	2880.35	2859.35	2757	2811	30.30	67.57	118.69	
								3675
2076.00	2884.03	2863.03	2758	2811	30.25	67.46	118.50	
								3627
2078.00	2887.65	2866.65	2759	2812	30.20	67.36	118.32	
								3618
2080.00	2891.27	2870.27	2760	2813	30.15	67.25	118.14	
								3316
2082.00	2894.59	2873.59	2760	2814	30.11	67.16	117.99	
								3723
2084.00	2898.31	2877.31	2761	2815	30.06	67.05	117.80	
								3722
2086.00	2902.03	2881.03	2762	2816	30.01	66.94	117.61	
								3762
2088.00	2905.80	2884.80	2763	2817	29.96	66.83	117.41	
								4167
2090.00	2909.96	2888.96	2765	2818	29.90	66.70	117.18	
								3875
2092.00	2913.84	2892.84	2766	2820	29.85	66.58	116.98	
								3586
2094.00	2917.42	2896.42	2766	2821	29.80	66.48	116.80	
								2306
2096.00	2919.73	2898.73	2766	2820	29.78	66.44	116.73	
								3530
2098.00	2923.26	2902.26	2767	2821	29.74	66.34	116.57	
								3699
2100.00	2926.96	2905.96	2768	2822	29.69	66.24	116.38	
								3489
2102.00	2930.45	2909.45	2768	2822	29.65	66.14	116.22	
								3863
2104.00	2934.31	2913.31	2769	2824	29.60	66.03	116.02	
								3739
2106.00	2938.05	2917.05	2770	2825	29.55	65.92	115.84	
								3756
2108.00	2941.81	2920.81	2771	2826	29.50	65.81	115.65	
								3764
2110.00	2945.57	2924.57	2772	2827	29.45	65.70	115.47	

TWO-WAY TRAVEL TIME FROM SRD MS	MEASURED DEPTH FROM KB M	VERTICAL DEPTH FROM SRD M	AVERAGE VELOCITY SRD/GEO M/S	RMS VELOCITY M/S	FIRST NORMAL MOVEOUT MS	SECOND NORMAL MOVEOUT MS	THIRD NORMAL MOVEOUT MS	INTERVAL VELOCITY M/S
								3757
2112.00	2949.33	2928.33	2773	2828	29.40	65.60	115.28	
								3466
2114.00	2952.79	2931.79	2774	2828	29.36	65.51	115.12	
								2262
2116.00	2955.05	2934.05	2773	2828	29.34	65.47	115.06	
								3019
2118.00	2958.07	2937.07	2773	2828	29.31	65.40	114.94	
								3748
2120.00	2961.82	2940.82	2774	2829	29.26	65.29	114.76	
								3807
2122.00	2965.63	2944.63	2775	2830	29.21	65.18	114.57	
								3910
2124.00	2969.54	2948.54	2776	2831	29.16	65.07	114.37	
								3736
2126.00	2973.27	2952.27	2777	2832	29.12	64.97	114.19	
								3949
2128.00	2977.22	2956.22	2778	2834	29.06	64.85	113.99	
								2956
2130.00	2980.18	2959.18	2779	2834	29.03	64.79	113.88	
								3197
2132.00	2983.38	2962.38	2779	2834	29.00	64.71	113.75	
								3111
2134.00	2986.49	2965.49	2779	2834	28.97	64.64	113.63	
								4168
2136.00	2990.65	2969.65	2781	2836	28.91	64.51	113.41	
								4035
2138.00	2994.69	2973.69	2782	2837	28.85	64.39	113.20	
								3971
2140.00	2998.66	2977.66	2783	2839	28.80	64.28	113.00	
								2302
2142.00	3000.96	2979.96	2782	2838	28.79	64.24	112.94	
								2231
2144.00	3003.19	2982.19	2782	2838	28.77	64.20	112.88	
								2324
2146.00	3005.52	2984.52	2781	2837	28.75	64.16	112.81	
								2441
2148.00	3007.96	2986.96	2781	2837	28.73	64.12	112.74	
								3306
2150.00	3011.26	2990.26	2782	2837	28.70	64.04	112.60	
								2762
2152.00	3014.03	2993.03	2782	2837	28.67	63.99	112.51	
								3582
2154.00	3017.61	2996.61	2782	2838	28.63	63.90	112.35	
								3397
2156.00	3021.00	3000.00	2783	2839	28.59	63.81	112.20	
								3250
2158.00	3024.25	3003.25	2783	2839	28.56	63.74	112.07	

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
								3799
2160.00	3028.05	3007.05	2784	2840	28.51	63.63	111.90	
								3887
2162.00	3031.94	3010.94	2785	2841	28.46	63.53	111.71	
								3862
2164.00	3035.80	3014.80	2786	2842	28.41	63.42	111.53	
								3890
2166.00	3039.69	3018.69	2787	2843	28.36	63.31	111.34	
								4033
2168.00	3043.73	3022.73	2788	2845	28.31	63.20	111.14	
								4058
2170.00	3047.78	3026.78	2790	2846	28.26	63.08	110.94	
								4071
2172.00	3051.85	3030.85	2791	2848	28.21	62.97	110.74	
								4072
2174.00	3055.93	3034.93	2792	2849	28.15	62.85	110.54	
								4072
2176.00	3060.00	3039.00	2793	2850	28.10	62.73	110.34	
								4071
2178.00	3064.07	3043.07	2794	2852	28.05	62.62	110.14	

PE906937

This is an enclosure indicator page.
The enclosure PE906937 is enclosed within the container PE906936 at this location in this document.

The enclosure PE906937 has the following characteristics:

ITEM_BARCODE	= PE906937
CONTAINER_BARCODE	= PE906936
NAME	= Seismic Calibration Log
BASIN	= GIPPSLAND
PERMIT	= VIC/P26
TYPE	= WELL
SUBTYPE	= VELOCITY_CHART
DESCRIPTION	= Seismic Calibration Log (enclosure from Geogram Processing Report--attachment to WCR) for Sawbelly-1
REMARKS	=
DATE_CREATED	= 19/04/90
DATE_RECEIVED	= 18/03/91
W_NO	= W1022
WELL_NAME	= SAWBELLY-1
CONTRACTOR	= SCHLUMBERGER
CLIENT_OP_CO	= ESSO AUSTRALIA LTD

(Inserted by DNRE - Vic Govt Mines Dept)

PE604538

This is an enclosure indicator page.
The enclosure PE604538 is enclosed within the container PE906936 at this location in this document.

The enclosure PE604538 has the following characteristics:

ITEM_BARCODE	= PE604538
CONTAINER_BARCODE	= PE906936
NAME	= Drift Corrected Sonic
BASIN	= GIPPSLAND
PERMIT	= VIC/P26
TYPE	= WELL
SUBTYPE	= VELOCITY_CHART
DESCRIPTION	= Drift Corrected Sonic (enclosure from Geogram Processing Report--attachment to WCR) for Sawbelly-1
REMARKS	=
DATE_CREATED	= 19/04/90
DATE_RECEIVED	= 18/03/91
W_NO	= W1022
WELL_NAME	= SAWBELLY-1
CONTRACTOR	= SCHLUMBERGER
CLIENT_OP_CO	= ESSO AUSTRALIA LTD

(Inserted by DNRE - Vic Govt Mines Dept)

PE906935

This is an enclosure indicator page.
The enclosure PE906935 is enclosed within the container PE906936 at this location in this document.

The enclosure PE906935 has the following characteristics:

ITEM_BARCODE	= PE906935
CONTAINER_BARCODE	= PE906936
NAME	= Geogram/Synthetic Seismogram
BASIN	= GIPPSLAND
PERMIT	= VIC/P26
TYPE	= WELL
SUBTYPE	= VELOCITY_CHART
DESCRIPTION	= Geogram/Synthetic Seismogram, 35 hz Zero Phase, (enclosure from Geogram Processing Report--attachment to WCR) for Sawbelly-1
REMARKS	=
DATE_CREATED	= 19/04/90
DATE_RECEIVED	= 18/03/91
W_NO	= W1022
WELL_NAME	= SAWBELLY-1
CONTRACTOR	= SCHLUMBERGER
CLIENT_OP_CO	= ESSO AUSTRALIA LTD

(Inserted by DNRE - Vic Govt Mines Dept)

PE906938

This is an enclosure indicator page.
The enclosure PE906938 is enclosed within the container PE906936 at this location in this document.

The enclosure PE906938 has the following characteristics:

ITEM_BARCODE	PE906938
CONTAINER_BARCODE	PE906936
NAME	Geogram/Synthetic Seismogram
BASIN	GIPPSLAND
PERMIT	VIC/P26
TYPE	WELL
SUBTYPE	VELOCITY_CHART
DESCRIPTION	Geogram/Synthetic Seismogram, 25 hz Zero Phase, (enclosure from Geogram Processing Report--attachment to WCR) for Sawbelly-1
REMARKS	
DATE_CREATED	19/04/90
DATE_RECEIVED	18/03/91
W_NO	W1022
WELL_NAME	SAWBELLY-1
CONTRACTOR	SCHLUMBERGER
CLIENT_OP_CO	ESSO AUSTRALIA LTD

(Inserted by DNRE - Vic Govt Mines Dept)

PE906939

This is an enclosure indicator page.
The enclosure PE906939 is enclosed within the container PE906936 at this location in this document.

The enclosure PE906939 has the following characteristics:

ITEM_BARCODE	= PE906939
CONTAINER_BARCODE	= PE906936
NAME	= Geogram/Synthetic Seismogram
BASIN	= GIPPSLAND
PERMIT	= VIC/P26
TYPE	= WELL
SUBTYPE	= VELOCITY_CHART
DESCRIPTION	= Geogram/Synthetic Seismogram, 45 hz Zero Phase, (enclosure from Geogram Processing Report--attachment to WCR) for Sawbelly-1
REMARKS	=
DATE_CREATED	= 19/04/90
DATE_RECEIVED	= 18/03/91
W_NO	= W1022
WELL_NAME	= SAWBELLY-1
CONTRACTOR	= SCHLUMBERGER
CLIENT_OP_CO	= ESSO AUSTRALIA LTD

(Inserted by DNRE - Vic Govt Mines Dept)

PE906940

This is an enclosure indicator page.
The enclosure PE906940 is enclosed within the container PE906936 at this location in this document.

The enclosure PE906940 has the following characteristics:

ITEM_BARCODE	= PE906940
CONTAINER_BARCODE	= PE906936
NAME	= Geogram/Synthetic Seismogram
BASIN	= GIPPSLAND
PERMIT	= VIC/P26
TYPE	= WELL
SUBTYPE	= VELOCITY_CHART
DESCRIPTION	= Geogram/Synthetic Seismogram, 35 hz Minimum Phase, (enclosure from Geogram Processing Report--attachment to WCR) for Sawbelly-1
REMARKS	=
DATE_CREATED	= 19/04/90
DATE_RECEIVED	= 18/03/91
W_NO	= W1022
WELL_NAME	= SAWBELLY-1
CONTRACTOR	= SCHLUMBERGER
CLIENT_OP_CO	= ESSO AUSTRALIA LTD

(Inserted by DNRE - Vic Govt Mines Dept)