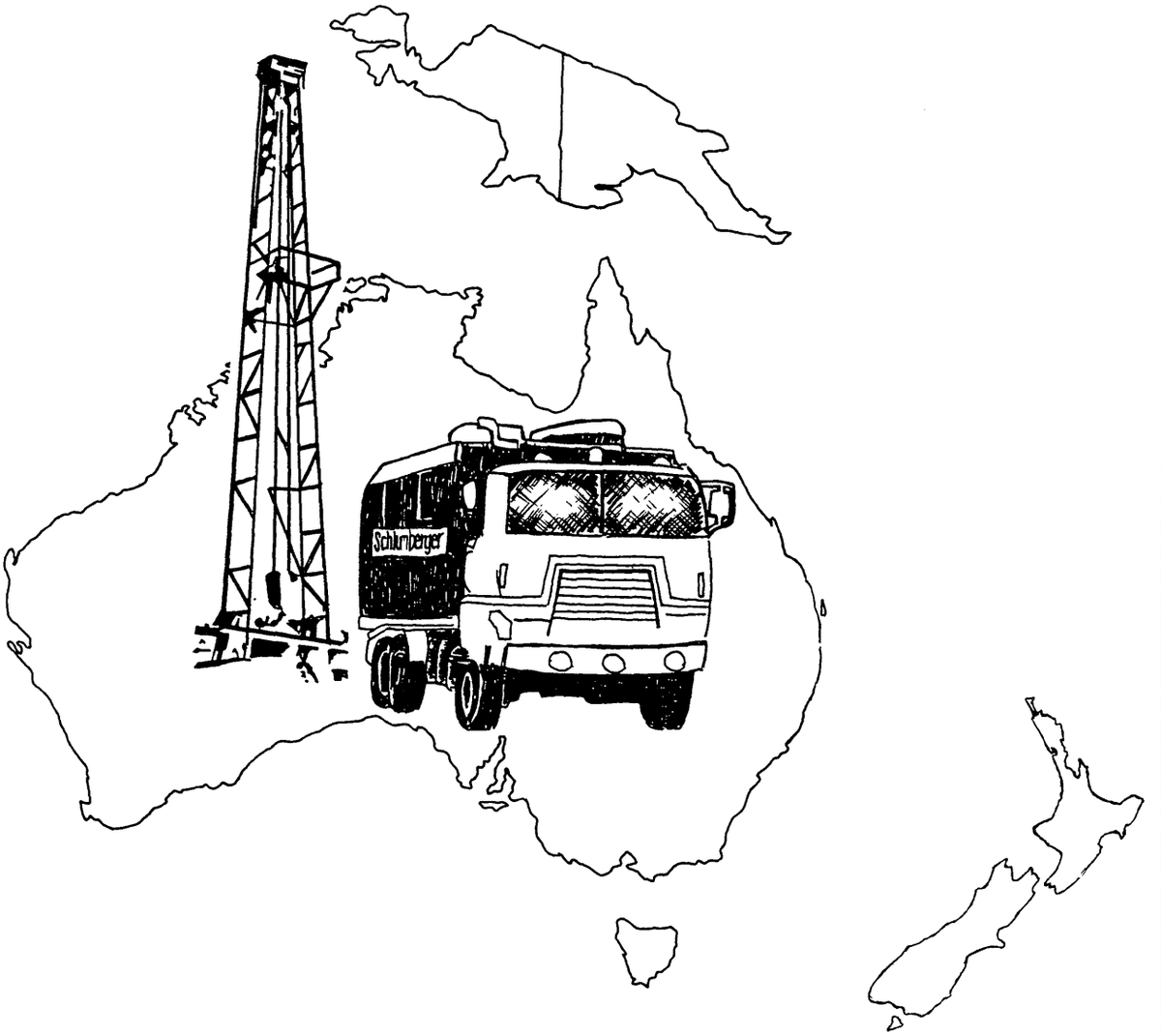
ATTACHMENT TO WCR FOR
KINGFISH-8 (APPENDIX 5)
SONIC CALIBRATION & PROCESSING REPORT

[redacted]



Schlumberger

Schlumberger

ESSO AUSTRALIA LTD

SONIC CALIBRATION AND GEOGRAM PROCESSING REPORT

KINGFISH 8

FIELD	:	KINGFISH
COUNTRY	:	AUSTRALIA
COORDINATES	:	38° 35' 36" S 148° 03' 27" E
DATE OF SURVEY	:	24 MAR 1992
REFERENCE NO.	:	SYJ-560775
INTERVAL	:	2405.0 - 225.0 M

Contents

List of Tables

1. Introduction

A checkshot survey of the KINGFISH #8 well has been used to calibrate the sonic log and generate synthetic seismograms using 25,35,45 hertz zero phase Ricker wavelets with a -90 degrees phase shift and a minimum phase Ricker wavelet. The final presentation includes synthetic seismograms, at 20 cm/sec as well as a drift corrected sonic plot and a seismic calibration log.

2. Data Acquisition

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

Table 1: Survey Parameters

Datum	MSL
Elevation KB	23 metres AMSL
Elevation GL	76.0 metres below MSL
Total Depth	2420 metres below KB
Energy Source	Airgun
Source Offset	109 metres
Source Depth	10 metre below MSL
Source Azimuth	199°
Reference Sensor	Hydrophone
Hydrophone Offset	109 metres
Hydrophone Depth	15 metres below MSL
Hydrophone Azimuth	199°

3. Sonic Calibration Processing

3.1 Sonic Calibration

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

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

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

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

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

Two methods of correction to the sonic log are used.

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

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

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

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

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

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

3.2 Correction to Datum

The corrected sonic log is indexed to true vertical depth and referenced to mean sea level. Static corrections are applied to correct for source offset and source depth by assuming a water velocity of 1524 metres/sec.

3.3 Open Hole Logs

The sonic log has been recorded from 2405.0 to 225.0 metres below KB. The overall log quality is good with small zones having been patched out. A density log was recorded from TD up to 2222 metres and is extrapolated to the surface with a constant density value.

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

3.4 Sonic Calibration Results

The top of the sonic log (225 metres below KB) is chosen as the origin for the calibration drift curve. The drift curve indicates a number of corrections to be made to the sonic log. The adjusted sonic curve is considered to be the best result using the available data. A list of shifts used on the sonic data is given in the adjusted sonic parameter report.

4. Synthetic Seismogram Processing

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

The presentations include both normal and reverse polarity on a time scale of 20cm/sec.

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

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

4.1 Depth to Time Conversion

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

4.2 Primary Reflection Coefficients

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

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

where:

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

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

4.3 Primaries with Transmission Loss

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

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

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

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

4.4 Primaries plus Multiples

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

4.5 Multiples Only

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

4.6 Wavelet

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

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

Time variant Butterworth filtering can be applied after convolution.

4.7 Polarity Convention

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

4.8 Convolution

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

A Summary of Geophysical Listings

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

A1 Geophysical Airgun Report

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

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

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

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

A3 Sonic Adjustment Parameter Report

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

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

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

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

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

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

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

8. Reduction factor : see section 4 of report.

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

A4 Velocity Report

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

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

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

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

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

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

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

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

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

A5 Time Converted Velocity Report

The data in this listing has been resampled in time.

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

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

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

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

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

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

where v_i is the velocity between each 2 millisecs interval.

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

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

where:

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

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

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

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

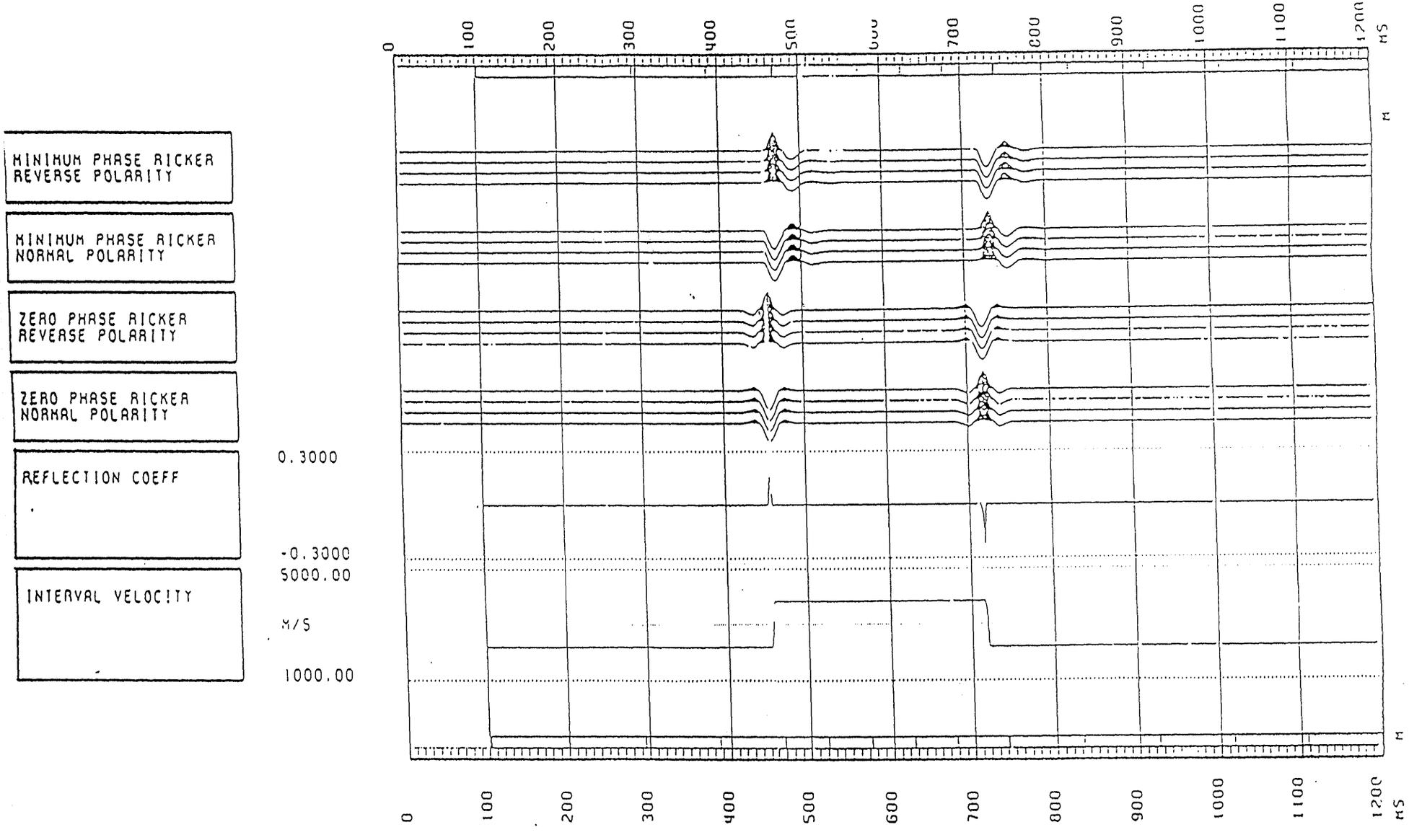
LIST OF ENCLOSURES

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

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

SCHLUMBERGER (SEG-1976) WAVELET POLARITY CONVENTION

Figure 1



RAW DEPTH

M
850.0
1000.0
1441.0
1696.0
2000.0
2289.0
2345.0
2430.0

TRANSIT TIME

S
0.350
0.400
0.589
0.695
0.747
0.838
0.861
0.879

LEVEL NO

1
2
3
4
5
6
7
8

CLIENT = ESSO AUSTRALIA LTD.

FIELD = KINGFISH

WELL = KINGFISH-8

Figure 2

Shots

ANALYST: T. BOWMAN 1-JUN-92 09:41:12 PROGRAM: GSHOT 007.E08

SCHLUMBERGER

GEOPHYSICAL AIRGUN REPORT

COMPANY : ESSO AUSTRALIA LTD
WELL : KINGFISH #8
FIELD : KINGFISH
COUNTRY : AUSTRALIA
REFERENCE: 560775

ANALYST: T. BOWMAN 1-JUN-92 09:41:12 PROGRAM: GSHOT 007.E08

GEOPHYSICAL AIRGUN REPORT

COMPANY : ESSO AUSTRALIA LTD

WELL : KINGFISH #8

FIELD : KINGFISH

COUNTRY : AUSTRALIA

REFERENCE: 560775

LONG DEFINITIONS

GLOBAL

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

MATRIX

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

SAMPLED

SHOT.GSH - SHOT NUMBER
DKB.GSH - MEASURED DEPTH FROM KELLY-BUSHING
DSRD.GSH - DEPTH FROM SRD
DGL.GSH - VERTICAL DEPTH RELATIVE TO GROUND LEVEL (USER'S REFERENCE)
TIMO.GSH - TIE IN MEMORIZED OUTPUT
TIMV.GSH - VERTICAL TRAVEL TIME FROM THE SOURCE TO THE GEOPHONE
SHTM.GSH - SHOT TIME (WST)
AVGV.GSH - AVERAGE SEISMIC VELOCITY
DELI.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	: 23.0000	M
ELEV OF SRD AB. MSL(WST)	SRD	: 0	M
ELEVATION OF KELLY BUSHI	EKB	: 23.0000	M
ELEV OF GL AB. SRD(WST)	GL	: -76.0000	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	-10.00	-35.49	-103.06	-15.00	-35.49	-103.06

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

	MD @ KB M	VD @ KB M	VD @ SRD M	E-W COORD M	N-S COORD M
1	99.00	99.00	76.00	0	0
2	225.09	225.09	202.09	0	0
3	820.06	820.06	797.06	0	0
4	850.00	850.00	827.00	0	0
5	1000.00	1000.00	977.00	0	0
6	1441.00	1441.00	1418.00	0	0
7	1695.00	1695.00	1672.00	0	0
8	2000.00	2000.00	1977.00	0	0
9	2269.00	2269.00	2246.00	0	0
10	2345.00	2345.00	2322.00	0	0
11	2420.00	2420.00	2397.00	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	99.00	76.00	0	80.32	43.30	49.86	1524			
								126.09	58.70	2148
2	225.09	202.09	126.09	114.00	102.00	108.56	1861			
								594.97	237.04	2510
3	820.06	797.06	721.06	339.00	339.04	345.61	2306			
								29.94	11.13	2689
4	850.00	827.00	751.00	350.00	350.18	356.74	2318			
								150.00	50.56	2966
5	1000.00	977.00	901.00	400.00	400.74	407.30	2399			
								441.00	139.92	3152
6	1441.00	1418.00	1342.00	539.00	540.66	547.22	2591			
								254.00	96.25	2639
7	1695.00	1672.00	1596.00	635.00	636.91	643.47	2598			
								305.00	112.22	2718
8	2000.00	1977.00	1901.00	747.00	749.13	755.69	2616			
								269.00	91.15	2951
9	2269.00	2246.00	2170.00	838.00	840.28	846.84	2652			
								76.00	23.04	3299
10	2345.00	2322.00	2246.00	861.00	863.32	869.88	2669			
								75.00	18.04	4157
11	2420.00	2397.00	2321.00	879.00	881.36	887.92	2700			

Drift

ANALYST: T. BOWMAN 1-JUN-92 09:42:48 PROGRAM: GDRIFT 007.E09

DRIFT COMPUTATION REPORT

COMPANY : ESSO AUSTRALIA LTD
WELL : KINGFISH #8
FIELD : KINGFISH
COUNTRY : AUSTRALIA
REFERENCE: 560775

ANALYST: T. BOWMAN 1-JUN-92 09:42:48 PROGRAM: GDRIFT 007.E09

DRIFT COMPUTATION REPORT

COMPANY : ESSO AUSTRALIA LTD
WELL : KINGFISH #8
FIELD : KINGFISH
COUNTRY : AUSTRALIA
REFERENCE: 560775

LONG DEFINITIONS

GLOBAL

KB - ELEVATION OF THE KELLY-BUSHING ABOVE MSL OR MWL
SRD - ELEVATION OF THE SEISMIC REFERENCE DATUM ABOVE MSL OR MWL
EKB - ELEVATION OF KELLY BUSHING
GL - ELEVATION OF USERS REFERENCE (GENERALLY GROUND LEVEL) ABOVE SRD
XSTART - TOP OF ZONE PROCESSED BY WST
XSTOP - BOTTOM OF ZONE PROCESSED BY WST
GAD001 - RAW SONIC CHANNEL NAME USED FOR WST SONIC ADJUSTMENT
UNFDEN - UNIFORM DENSITY VALUE

ZONE

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

SAMPLED

SHOT - SHOT NUMBER
DKB - MEASURED DEPTH FROM KELLY-BUSHING
DSRD - DEPTH FROM SRD
DGL - VERTICAL DEPTH RELATIVE TO GROUND LEVEL (USER'S REFERENCE)
SHTM - SHOT TIME (WST)
RAWS - RAW SONIC (WST)
SHDR - DRIFT AT SHOT OR KNEE
BLSH - BLOCK SHIFT BETWEEN SHOTS OR KNEE

(GLOBAL PARAMETERS)		(VALUE)	
ELEV OF KB AB. MSL (WST)	KB	23.0000	M
ELEV OF SRD AB. MSL(WST)	SRD	0	M
ELEVATION OF KELLY BUSHI	EKB	23.0000	M
ELEV OF GL AB. SRD(WST)	GL	-76.0000	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/F
1	99.00	76.00	0	49.86	49.86	0	0
2	225.09	202.09	126.09	108.56	108.56	0	0
3	820.06	797.06	721.06	345.61	339.59	6.01	3.08
4	850.00	827.00	751.00	356.74	349.84	6.90	8.96
5	1000.00	977.00	901.00	407.30	399.13	8.17	2.59
6	1441.00	1418.00	1342.00	547.22	536.33	10.90	1.89
7	1695.00	1672.00	1596.00	643.47	631.05	12.43	1.84
8	2000.00	1977.00	1901.00	755.69	740.00	15.69	3.26
9	2269.00	2246.00	2170.00	846.84	827.93	18.92	3.65
10	2345.00	2322.00	2246.00	869.88	849.67	20.21	5.19
11	2404.87	2381.87	2305.87	884.29	867.08	17.20	-15.33
12	2420.00	2397.00	2321.00	887.92			

ANALYST: T. BOWMAN 1-JUN-92 10:26:11 PROGRAM: GADJST 008.E08

SONIC ADJUSTMENT PARAMETER REPORT

COMPANY : ESSO AUSTRALIA LTD
WELL : KINGFISH #8
FIELD : KINGFISH
COUNTRY : AUSTRALIA
REFERENCE: 560775

LONG DEFINITIONS

GLOBAL

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

ZONE

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

SAMPLED

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

(GLOBAL PARAMETERS)		(VALUE)	
ORIG OF ADJ DATA (WST)	SRCDRF	: 2.00000	
CONS SONIC ADJST (WST)	CONADJ	: 7.50000	US/F
UNIFORM EARTH VELOCITY	UNERTH	: 1524.00	M/S

(ZONED PARAMETERS)		(VALUE)		(LIMITS)	
USER DRIFT ZONE (WST)	ZDRIFT	: 17.20000	MS	2405.00	- 2351.00
		20.20000		2351.00	1703.00
		12.50000		1703.00	1023.00
		8.700000		1023.00	225.090
		0		225.090	0
ADJUSMNT MODE (WST)	ADJOPZ	:-999.2500		30479.7	- 0
USER DELTA-T MIN (WST)	ADJUSZ	:-999.2500	US/F	30479.7	- 0
LAYER OPTION FLAG VELOC	LOFVEL	: 1.000000		30479.7	- 0
USER VELOC (WST)	LAYVEL	: 2510.000	M/S	820.060	- 225.090
		2148.000		225.090	99.0000
		1524.000		99.0000	0

KNEE NUMBER	VERTICAL DEPTH FROM KB M	VERTICAL DEPTH FROM SRD M	VERTICAL DEPTH FROM GL M	DRIFT AT KNEE MS	BLOCKSHIFT USED US/F	DELTA-T MINIMUM USED US/F	REDUCTION FACTOR G	EQUIVALENT BLOCKSHIFT US/F
					0			0
2	225.09	202.09	126.09	0	3.32			3.32
3	1023.00	1000.00	924.00	8.70	1.70			1.70
4	1703.00	1680.00	1604.00	12.50	3.62			3.62
5	2351.00	2328.00	2252.00	20.20		63.56	1.00	-16.93
6	2405.00	2382.00	2306.00	17.20				

ANALYST: T. BOWMAN 1-JUN-92 10:26:32 PROGRAM: GADJST 008.E08

VELOCITY REPORT

COMPANY : ESSO AUSTRALIA LTD
WELL : KINGFISH #8
FIELD : KINGFISH
COUNTRY : AUSTRALIA
REFERENCE: 560775

LONG DEFINITIONS

GLOBAL

KB - ELEVATION OF THE KELLY-BUSHING ABOVE MSL OR MWL
SRD - ELEVATION OF THE SEISMIC REFERENCE DATUM ABOVE MSL OR MWL
EKB - ELEVATION OF KELLY BUSHING
GL - ELEVATION OF USERS REFERENCE (GENERALLY GROUND LEVEL) ABOVE SRD
UNERTH - UNIFORM EARTH VELOCITY (GTRFRM)

ZONE

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

SAMPLED

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

(GLOBAL PARAMETERS)		(VALUE)	
ELEV OF KB AB. MSL (WST)	KB	23.0000	M
ELEV OF SRD AB. MSL(WST)	SRD	0	M
ELEVATION OF KELLY BUSHI	EKB	23.0000	M
ELEV OF GL AB. SRD(WST)	GL	-76.0000	M
UNIFORM EARTH VELOCITY	UNERTH	1524.00	M/S

(ZONED PARAMETERS)		(VALUE)		(LIMITS)
LAYER OPTION FLAG VELOC	LOFVEL	1.000000		30479.7 - 0
USER VELOC (WST)	LAYVEL	2510.000	M/S	820.060 - 225.090
		2148.000		225.090 - 99.0000
		1524.000		99.0000 - 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
								1524
1	99.00	76.00	0	49.86	49.86	0	0	
								2148
2	225.09	202.09	126.09	108.56	108.56	0	0	
								2505
3	820.06	797.06	721.06	345.61	346.08	6.01	-.47	
								2830
4	850.00	827.00	751.00	356.74	356.66	6.90	.08	
								2945
5	1000.00	977.00	901.00	407.30	407.58	8.17	-.28	
								3155
6	1441.00	1418.00	1342.00	547.22	547.36	10.90	-.14	
								2642
7	1695.00	1672.00	1596.00	643.47	643.50	12.43	-.03	
								2710
8	2000.00	1977.00	1901.00	755.69	756.03	15.69	-.33	
								2952
9	2269.00	2246.00	2170.00	846.84	847.15	18.92	-.30	
								3356
10	2345.00	2322.00	2246.00	869.88	869.80	20.21	.09	
								3425
11	2404.87	2381.87	2305.87	884.29	887.28	17.20	-2.99	
								23393
12	2420.00	2397.00	2321.00	887.92	887.92		0	

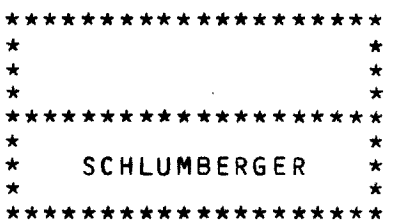
Time / Depth

ANALYST: T. BOWMAN 1-JUN-92 10:30:47 PROGRAM: GTRFRM 001.E12

TIME CONVERTED VELOCITY REPORT

COMPANY : ESSO AUSTRALIA LTD
WELL : KINGFISH #8
FIELD : KINGFISH
COUNTRY : AUSTRALIA
REFERENCE: 560775

ANALYST: T. BOWMAN 1-JUN-92 10:30:47 PROGRAM: GTRFRM 001.E12



TIME CONVERTED VELOCITY REPORT

COMPANY : ESSO AUSTRALIA LTD
WELL : KINGFISH #8
FIELD : KINGFISH
COUNTRY : AUSTRALIA
REFERENCE: 560775

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	23.0000	M
ELEV OF SRD AB. MSL(WST)	SRD	0	M
ELEV OF GL AB. SRD(WST)	GL	-76.0000	M
UNIFORM EARTH VELOCITY	UNERTH	1524.00	M/S
UNIFORM DENSITY VALUE	UNFDEN	2.30000	G/C3

(MATRIX PARAMETERS)

	MVOUT DIST M
1	1000.0
2	1500.0
3	2000.0

(ZONED PARAMETERS)		(VALUE)		(LIMITS)		
LAYER OPTION FLAG VELOC	LOFVEL	: 1.000000		30479.7	-	0
USER VELOC (WST)	LAYVEL	: 2510.000	M/S	820.060	-	225.090
		2148.000		225.090		99.0000
		1524.000		99.0000		0
LAYER OPTION FLAG DENS	LOFDEN	:-1.000000		30479.7	-	0
USER SUPPLIED DENSITY DA	LAYDEN	: 0	G/C3	0	-	0

TWO-WAY TRAVEL TIME FROM SRD MS	MEASURED DEPTH FROM KB M	VERTICAL DEPTH FROM SRD M	AVERAGE VELOCITY SRD/GEO M/S	RMS VELOCITY M/S	FIRST NORMAL MOVEOUT MS	SECOND NORMAL MOVEOUT MS	THIRD NORMAL MOVEOUT MS	INTERVAL VELOCITY M/S
2.00	24.52	1.52	1524	1524	654.17	982.25	1310.34	1524
4.00	26.05	3.05	1524	1524	652.18	980.26	1308.34	1524
6.00	27.57	4.57	1524	1524	650.20	978.27	1306.35	1524
8.00	29.10	6.10	1524	1524	648.22	976.28	1304.36	1524
10.00	30.62	7.62	1524	1524	646.24	974.30	1302.37	1524
12.00	32.14	9.14	1524	1524	644.28	972.32	1300.39	1524
14.00	33.67	10.67	1524	1524	642.32	970.35	1298.41	1524
16.00	35.19	12.19	1524	1524	640.36	968.38	1296.43	1524
18.00	36.72	13.72	1524	1524	638.41	966.42	1294.46	1524
20.00	38.24	15.24	1524	1524	636.47	964.46	1292.49	1524
22.00	39.76	16.76	1524	1524	634.54	962.50	1290.52	1524
24.00	41.29	18.29	1524	1524	632.61	960.54	1288.56	1524
26.00	42.81	19.81	1524	1524	630.68	958.60	1286.59	1524
28.00	44.34	21.34	1524	1524	628.77	956.65	1284.63	1524
30.00	45.86	22.86	1524	1524	626.85	954.71	1282.68	1524
32.00	47.38	24.38	1524	1524	624.95	952.77	1280.73	1524
34.00	48.91	25.91	1524	1524	623.05	950.84	1278.78	1524
36.00	50.43	27.43	1524	1524	621.15	948.91	1276.83	1524
38.00	51.96	28.96	1524	1524	619.27	946.99	1274.89	1524
40.00	53.48	30.48	1524	1524	617.39	945.06	1272.95	1524
42.00	55.00	32.00	1524	1524	615.51	943.15	1271.01	1524
44.00	56.53	33.53	1524	1524	613.64	941.24	1269.07	1524
46.00	58.05	35.05	1524	1524	611.78	939.33	1267.14	1524
48.00	59.58	36.58	1524	1524	609.92	937.42	1265.21	

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
50.00	61.10	38.10	1524	1524	608.07	935.52	1263.29	1524
52.00	62.62	39.62	1524	1524	606.23	933.62	1261.37	1524
54.00	64.15	41.15	1524	1524	604.39	931.73	1259.45	1524
56.00	65.67	42.67	1524	1524	602.55	929.84	1257.53	1524
58.00	67.20	44.20	1524	1524	600.73	927.96	1255.62	1524
60.00	68.72	45.72	1524	1524	598.91	926.08	1253.71	1524
62.00	70.24	47.24	1524	1524	597.09	924.20	1251.80	1524
64.00	71.77	48.77	1524	1524	595.28	922.33	1249.90	1524
66.00	73.29	50.29	1524	1524	593.48	920.46	1247.99	1524
68.00	74.82	51.82	1524	1524	591.68	918.60	1246.10	1524
70.00	76.34	53.34	1524	1524	589.89	916.74	1244.20	1524
72.00	77.86	54.86	1524	1524	588.11	914.88	1242.31	1524
74.00	79.39	56.39	1524	1524	586.33	913.03	1240.42	1524
76.00	80.91	57.91	1524	1524	584.55	911.18	1238.53	1524
78.00	82.44	59.44	1524	1524	582.79	909.34	1236.65	1524
80.00	83.96	60.96	1524	1524	581.03	907.50	1234.77	1524
82.00	85.48	62.48	1524	1524	579.27	905.66	1232.90	1524
84.00	87.01	64.01	1524	1524	577.52	903.83	1231.02	1524
86.00	88.53	65.53	1524	1524	575.78	902.00	1229.15	1524
88.00	90.06	67.06	1524	1524	574.04	900.18	1227.28	1524
90.00	91.58	68.58	1524	1524	572.31	898.36	1225.42	1524
92.00	93.10	70.10	1524	1524	570.59	896.54	1223.56	1524
94.00	94.63	71.63	1524	1524	568.87	894.73	1221.70	1524
96.00	96.15	73.15	1524	1524	567.15	892.92	1219.84	

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
								1524
98.00	97.68	74.68	1524	1524	565.45	891.12	1217.99	
								1649
100.00	99.32	76.32	1526	1527	562.64	887.65	1213.92	
								2148
102.00	101.47	78.47	1539	1541	554.82	876.60	1199.70	
								2148
104.00	103.62	80.62	1550	1555	547.40	866.16	1186.29	
								2148
106.00	105.77	82.77	1562	1568	540.36	856.27	1173.62	
								2148
108.00	107.92	84.92	1573	1581	533.66	846.88	1161.61	
								2148
110.00	110.06	87.06	1583	1593	527.26	837.95	1150.20	
								2148
112.00	112.21	89.21	1593	1605	521.15	829.43	1139.34	
								2148
114.00	114.36	91.36	1603	1616	515.29	821.29	1128.99	
								2148
116.00	116.51	93.51	1612	1626	509.67	813.50	1119.11	
								2148
118.00	118.66	95.66	1621	1637	504.27	806.04	1109.65	
								2148
120.00	120.80	97.80	1630	1647	499.08	798.88	1100.59	
								2148
122.00	122.95	99.95	1639	1656	494.08	791.99	1091.90	
								2148
124.00	125.10	102.10	1647	1665	489.25	785.36	1083.54	
								2148
126.00	127.25	104.25	1655	1674	484.58	778.97	1075.50	
								2148
128.00	129.40	106.40	1662	1682	480.07	772.80	1067.75	
								2148
130.00	131.54	108.54	1670	1690	475.69	766.84	1060.28	
								2148
132.00	133.69	110.69	1677	1698	471.46	761.07	1053.06	
								2148
134.00	135.84	112.84	1684	1706	467.35	755.49	1046.08	
								2148
136.00	137.99	114.99	1691	1713	463.35	750.08	1039.33	
								2148
138.00	140.14	117.14	1698	1720	459.47	744.82	1032.79	
								2148
140.00	142.28	119.28	1704	1727	455.69	739.72	1026.44	
								2148
142.00	144.43	121.43	1710	1734	452.01	734.76	1020.28	
								2148
144.00	146.58	123.58	1716	1740	448.43	729.93	1014.30	

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
								2148
146.00	148.73	125.73	1722	1746	444.93	725.23	1008.48	2148
148.00	150.88	127.88	1728	1752	441.51	720.65	1002.82	2148
150.00	153.02	130.02	1734	1758	438.18	716.19	997.31	2148
152.00	155.17	132.17	1739	1764	434.92	711.83	991.94	2148
154.00	157.32	134.32	1744	1770	431.74	707.57	986.70	2148
156.00	159.47	136.47	1750	1775	428.62	703.41	981.59	2148
158.00	161.62	138.62	1755	1780	425.57	699.34	976.60	2148
160.00	163.76	140.76	1760	1785	422.58	695.37	971.72	2148
162.00	165.91	142.91	1764	1790	419.65	691.47	966.96	2148
164.00	168.06	145.06	1769	1795	416.78	687.66	962.29	2148
166.00	170.21	147.21	1774	1800	413.96	683.92	957.73	2148
168.00	172.36	149.36	1778	1804	411.20	680.25	953.26	2148
170.00	174.50	151.50	1782	1809	408.49	676.66	948.88	2148
172.00	176.65	153.65	1787	1813	405.82	673.13	944.58	2148
174.00	178.80	155.80	1791	1817	403.20	669.66	940.37	2148
176.00	180.95	157.95	1795	1821	400.63	666.26	936.24	2148
178.00	183.10	160.10	1799	1825	398.10	662.92	932.18	2148
180.00	185.24	162.24	1803	1829	395.61	659.63	928.20	2148
182.00	187.39	164.39	1807	1833	393.16	656.40	924.28	2148
184.00	189.54	166.54	1810	1837	390.75	653.22	920.44	2148
186.00	191.69	168.69	1814	1840	388.38	650.09	916.66	2148
188.00	193.84	170.84	1817	1844	386.04	647.01	912.94	2148
190.00	195.98	172.98	1821	1847	383.74	643.98	909.28	2148
192.00	198.13	175.13	1824	1851	381.47	640.99	905.67	

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
								2148
194.00	200.28	177.28	1828	1854	379.24	638.05	902.13	2148
196.00	202.43	179.43	1831	1857	377.03	635.15	898.63	2148
198.00	204.58	181.58	1834	1860	374.86	632.29	895.19	2148
200.00	206.72	183.72	1837	1863	372.72	629.46	891.80	2148
202.00	208.87	185.87	1840	1866	370.60	626.68	888.45	2148
204.00	211.02	188.02	1843	1869	368.52	623.93	885.15	2148
206.00	213.17	190.17	1846	1872	366.46	621.22	881.90	2148
208.00	215.32	192.32	1849	1875	364.43	618.55	878.69	2148
210.00	217.46	194.46	1852	1878	362.42	615.91	875.52	2148
212.00	219.61	196.61	1855	1881	360.44	613.30	872.40	2148
214.00	221.76	198.76	1858	1883	358.48	610.72	869.31	2148
216.00	223.91	200.91	1860	1886	356.55	608.17	866.26	2085
218.00	225.99	202.99	1862	1888	354.81	605.92	863.60	2084
220.00	228.08	205.08	1864	1890	353.09	603.69	860.98	2138
222.00	230.21	207.21	1867	1892	351.24	601.26	858.08	1959
224.00	232.17	209.17	1868	1893	349.86	599.56	856.16	1986
226.00	234.16	211.16	1869	1894	348.43	597.77	354.12	2019
228.00	236.18	213.18	1870	1895	346.93	595.86	851.92	2118
230.00	238.30	215.30	1872	1897	345.20	593.59	849.23	2084
232.00	240.38	217.38	1874	1898	343.57	591.48	846.74	2048
234.00	242.43	219.43	1875	1900	342.05	589.51	844.45	2119
236.00	244.55	221.55	1878	1902	340.37	587.30	841.82	2163
238.00	246.71	223.71	1880	1904	338.60	584.95	839.00	2128
240.00	248.84	225.84	1882	1906	336.93	582.75	836.39	

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
								1966
242.00	250.80	227.80	1883	1907	335.64	581.13	834.56	
								1992
244.00	252.80	229.80	1884	1907	334.30	579.44	832.63	
								2111
246.00	254.91	231.91	1885	1909	332.72	577.35	830.15	
								2111
248.00	257.02	234.02	1887	1911	331.15	575.28	827.70	
								2174
250.00	259.19	236.19	1890	1913	329.45	573.01	824.97	
								2264
252.00	261.46	238.46	1893	1916	327.57	570.43	821.82	
								2060
254.00	263.52	240.52	1894	1917	326.15	568.59	819.67	
								2169
256.00	265.68	242.68	1896	1919	324.52	566.40	817.04	
								2221
258.00	267.91	244.91	1898	1922	322.79	564.05	814.19	
								2217
260.00	270.12	247.12	1901	1924	321.09	561.74	811.39	
								2086
262.00	272.21	249.21	1902	1926	319.68	559.88	809.21	
								2142
264.00	274.35	251.35	1904	1927	318.17	557.86	806.79	
								2233
266.00	276.58	253.58	1907	1930	316.49	555.56	803.99	
								2158
268.00	278.74	255.74	1909	1932	314.97	553.52	801.56	
								2323
270.00	281.07	258.07	1912	1935	313.14	550.96	798.41	
								2070
272.00	283.13	260.13	1913	1936	311.82	549.24	796.38	
								2050
274.00	285.18	262.18	1914	1937	310.56	547.58	794.45	
								2296
276.00	287.48	264.48	1917	1939	308.83	545.18	791.50	
								2425
278.00	289.91	266.91	1920	1943	306.86	542.38	788.01	
								2335
280.00	292.24	269.24	1923	1946	305.10	539.91	784.96	
								2230
282.00	294.47	271.47	1925	1949	303.56	537.80	782.39	
								2349
284.00	296.82	273.82	1928	1952	301.81	535.34	779.35	
								2183
286.00	299.00	276.00	1930	1953	300.39	533.40	777.02	
								2229
288.00	301.23	278.23	1932	1955	298.90	531.35	774.53	

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
290.00	303.42	280.42	1934	1957	297.50	529.44	772.22	2188
292.00	305.61	282.61	1936	1959	296.11	527.54	769.94	2187
294.00	307.91	284.91	1938	1961	294.54	525.33	767.23	2300
296.00	310.19	287.19	1940	1964	293.02	523.20	764.62	2281
298.00	312.46	289.46	1943	1966	291.53	521.13	762.08	2268
300.00	314.66	291.66	1944	1968	290.17	519.26	759.82	2203
302.00	316.83	293.83	1946	1969	288.87	517.47	757.67	2174
304.00	319.15	296.15	1948	1972	287.35	515.32	755.02	2316
306.00	321.44	298.44	1951	1974	285.88	513.25	752.47	2295
308.00	323.70	300.70	1953	1976	284.48	511.29	750.08	2259
310.00	326.17	303.17	1956	1979	282.74	508.78	746.92	2468
312.00	328.56	305.56	1959	1982	281.16	506.51	744.09	2391
314.00	330.94	307.94	1961	1985	279.61	504.29	741.32	2382
316.00	333.27	310.27	1964	1987	278.17	502.24	738.79	2324
318.00	335.51	312.51	1965	1989	276.88	500.43	736.59	2238
320.00	337.76	314.76	1967	1991	275.57	498.59	734.34	2255
322.00	340.11	317.11	1970	1993	274.14	496.54	731.79	2348
324.00	342.46	319.46	1972	1996	272.71	494.49	729.25	2350
326.00	344.75	321.75	1974	1998	271.40	492.63	726.96	2287
328.00	347.08	324.08	1976	2000	270.02	490.65	724.51	2338
330.00	349.39	326.39	1978	2002	268.70	488.76	722.18	2309
332.00	351.69	328.69	1980	2004	267.41	486.92	719.91	2296
334.00	353.97	330.97	1982	2006	266.15	485.13	717.70	2283
336.00	356.25	333.25	1984	2007	264.90	483.34	715.50	2282

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
338.00	358.52	335.52	1985	2009	263.69	481.61	713.37	2270
340.00	360.87	337.87	1987	2011	262.37	479.70	711.00	2347
342.00	363.15	340.15	1989	2013	261.16	477.97	708.86	2281
344.00	365.48	342.48	1991	2015	259.89	476.14	706.59	2330
346.00	367.80	344.80	1993	2017	258.65	474.34	704.36	2322
348.00	370.15	347.15	1995	2019	257.38	472.49	702.06	2350
350.00	372.48	349.48	1997	2021	256.15	470.71	699.84	2329
352.00	374.81	351.81	1999	2023	254.93	468.94	697.64	2330
354.00	377.15	354.15	2001	2024	253.71	467.16	695.42	2340
356.00	379.55	356.55	2003	2027	252.42	465.27	693.05	2397
358.00	381.96	358.96	2005	2029	251.14	463.37	690.67	2409
360.00	384.31	361.31	2007	2031	249.94	461.61	688.47	2352
362.00	386.71	363.71	2009	2033	248.68	459.77	686.15	2400
364.00	389.13	366.13	2012	2036	247.42	457.90	683.79	2417
366.00	391.55	368.55	2014	2038	246.16	456.02	681.42	2429
368.00	393.95	370.95	2016	2040	244.96	454.24	679.18	2393
370.00	396.36	373.36	2018	2042	243.74	452.43	676.90	2412
372.00	398.81	375.81	2020	2045	242.49	450.57	674.54	2448
374.00	401.26	378.26	2023	2047	241.25	448.71	672.19	2450
376.00	403.67	380.67	2025	2049	240.07	446.95	669.96	2413
378.00	406.13	383.13	2027	2051	238.84	445.10	667.62	2461
380.00	408.66	385.66	2030	2054	237.54	443.13	665.09	2532
382.00	411.21	388.21	2033	2057	236.24	441.15	662.55	2547
384.00	413.78	390.78	2035	2060	234.91	439.13	659.96	2573

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
								2598
386.00	416.38	393.38	2038	2063	233.58	437.09	657.32	
								2568
388.00	418.95	395.95	2041	2066	232.29	435.12	654.79	
								2574
390.00	421.52	398.52	2044	2069	231.01	433.16	652.27	
								2595
392.00	424.12	401.12	2047	2072	229.72	431.18	649.71	
								2597
394.00	426.72	403.72	2049	2075	228.44	429.22	647.17	
								2597
396.00	429.31	406.31	2052	2078	227.18	427.27	644.66	
								2611
398.00	431.92	408.92	2055	2081	225.92	425.32	642.13	
								2568
400.00	434.49	411.49	2057	2084	224.71	423.47	639.75	
								2549
402.00	437.04	414.04	2060	2087	223.54	421.67	637.43	
								2600
404.00	439.64	416.64	2063	2089	222.33	419.79	635.00	
								2626
406.00	442.27	419.27	2065	2092	221.10	417.88	632.52	
								2633
408.00	444.90	421.90	2068	2095	219.88	415.98	630.05	
								2659
410.00	447.56	424.56	2071	2098	218.65	414.05	627.54	
								2661
412.00	450.22	427.22	2074	2102	217.42	412.14	625.04	
								2634
414.00	452.85	429.85	2077	2104	216.24	410.29	622.64	
								2663
416.00	455.52	432.52	2079	2107	215.04	408.41	620.18	
								2638
418.00	458.15	435.15	2082	2110	213.88	406.59	617.81	
								2680
420.00	460.83	437.83	2085	2113	212.69	404.71	615.36	
								2676
422.00	463.51	440.51	2088	2116	211.51	402.87	612.94	
								2656
424.00	466.17	443.17	2090	2119	210.37	401.07	610.59	
								2655
426.00	468.82	445.82	2093	2122	209.24	399.29	608.26	
								2668
428.00	471.49	448.49	2096	2125	208.11	397.50	605.92	
								2699
430.00	474.19	451.19	2099	2128	206.96	395.68	603.53	
								2707
432.00	476.90	453.90	2101	2131	205.82	393.87	601.15	

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
								2675
434.00	479.57	456.57	2104	2134	204.72	392.12	598.86	
								2686
436.00	482.26	459.26	2107	2137	203.62	390.38	596.56	
								2721
438.00	484.98	461.98	2109	2140	202.51	388.59	594.21	
								2715
440.00	487.69	464.69	2112	2143	201.40	386.83	591.89	
								2702
442.00	490.39	467.39	2115	2146	200.33	385.11	589.62	
								2722
444.00	493.12	470.12	2118	2149	199.24	383.37	587.33	
								2729
446.00	495.85	472.85	2120	2152	198.16	381.64	585.04	
								2727
448.00	498.57	475.57	2123	2154	197.10	379.93	582.77	
								2735
450.00	501.31	478.31	2126	2157	196.04	378.22	580.51	
								2733
452.00	504.04	481.04	2128	2160	194.99	376.53	578.27	
								2705
454.00	506.75	483.75	2131	2163	193.97	374.89	576.12	
								2687
456.00	509.43	486.43	2133	2165	192.99	373.30	574.01	
								2738
458.00	512.17	489.17	2136	2168	191.97	371.65	571.82	
								2739
460.00	514.91	491.91	2139	2171	190.95	370.01	569.64	
								2760
462.00	517.67	494.67	2141	2174	189.94	368.36	567.44	
								2758
464.00	520.43	497.43	2144	2177	188.93	366.72	565.27	
								2743
466.00	523.17	500.17	2147	2180	187.95	365.12	563.14	
								2747
468.00	525.92	502.92	2149	2182	186.97	363.53	561.02	
								2710
470.00	528.63	505.63	2152	2185	186.03	362.00	558.99	
								2694
472.00	531.32	508.32	2154	2187	185.12	360.51	557.01	
								2696
474.00	534.02	511.02	2156	2190	184.21	359.03	555.04	
								2710
476.00	536.73	513.73	2159	2192	183.30	357.54	553.06	
								2694
478.00	539.42	516.42	2161	2194	182.41	356.09	551.13	
								2732
480.00	542.15	519.15	2163	2197	181.50	354.60	549.14	

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
482.00	544.84	521.84	2165	2199	180.63	353.17	547.24	2690
484.00	547.54	524.54	2168	2202	179.76	351.75	545.34	2698
486.00	550.23	527.23	2170	2204	178.91	350.35	543.48	2686
488.00	552.94	529.94	2172	2206	178.05	348.94	541.59	2709
490.00	555.64	532.64	2174	2208	177.20	347.54	539.72	2705
492.00	558.36	535.36	2176	2211	176.35	346.13	537.84	2721
494.00	561.04	538.04	2178	2213	175.53	344.79	536.04	2682
496.00	563.77	540.77	2181	2215	174.69	343.39	534.17	2728
498.00	566.51	543.51	2183	2217	173.85	342.00	532.30	2738
500.00	569.23	546.23	2185	2220	173.03	340.63	530.46	2724
502.00	572.00	549.00	2187	2222	172.18	339.22	528.56	2771
504.00	574.78	551.78	2190	2225	171.34	337.82	526.67	2773
506.00	577.52	554.52	2192	2227	170.53	336.47	524.84	2745
508.00	580.23	557.23	2194	2229	169.75	335.17	523.10	2704
510.00	582.93	559.93	2196	2231	168.97	333.88	521.36	2704
512.00	585.67	562.67	2198	2233	168.18	332.56	519.59	2737
514.00	588.41	565.41	2200	2235	167.40	331.25	517.82	2739
516.00	591.17	568.17	2202	2238	166.62	329.93	516.03	2760
518.00	593.95	570.95	2204	2240	165.82	328.59	514.21	2787
520.00	596.66	573.66	2206	2242	165.08	327.34	512.53	2711
522.00	599.43	576.43	2209	2244	164.30	326.04	510.76	2770
524.00	602.23	579.23	2211	2247	163.52	324.72	508.96	2800
526.00	605.04	582.04	2213	2249	162.74	323.40	507.17	2801
528.00	607.76	584.76	2215	2251	162.02	322.18	505.52	2723

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
530.00	610.49	587.49	2217	2253	161.30	320.96	503.85	2735
532.00	613.22	590.22	2219	2255	160.58	319.75	502.22	2727
534.00	615.92	592.92	2221	2257	159.89	318.58	500.63	2703
536.00	618.64	595.64	2223	2259	159.19	317.40	499.03	2713
538.00	621.35	598.35	2224	2261	158.50	316.23	497.44	2715
540.00	623.98	600.98	2226	2262	157.87	315.16	495.99	2629
542.00	626.62	603.62	2227	2264	157.23	314.08	494.53	2643
544.00	629.37	606.37	2229	2266	156.54	312.90	492.92	2745
546.00	632.10	609.10	2231	2268	155.86	311.74	491.35	2735
548.00	634.84	611.84	2233	2269	155.19	310.59	489.77	2739
550.00	637.55	614.55	2235	2271	154.54	309.48	488.26	2706
552.00	640.22	617.22	2236	2273	153.91	308.42	486.81	2666
554.00	642.75	619.75	2237	2274	153.35	307.47	485.54	2539
556.00	645.44	622.44	2239	2275	152.73	306.40	484.08	2686
558.00	648.11	625.11	2241	2277	152.11	305.35	482.65	2671
560.00	650.69	627.69	2242	2278	151.55	304.39	481.34	2582
562.00	653.44	630.44	2244	2280	150.91	303.29	479.83	2742
564.00	656.16	633.16	2245	2282	150.28	302.21	478.35	2729
566.00	658.89	635.89	2247	2283	149.66	301.13	476.87	2728
568.00	661.51	638.51	2248	2285	149.09	300.16	475.55	2622
570.00	664.14	641.14	2250	2286	148.52	299.19	474.22	2626
572.00	666.72	643.72	2251	2287	147.98	298.27	472.97	2578
574.00	669.28	646.28	2252	2288	147.46	297.37	471.74	2563
576.00	671.90	648.90	2253	2289	146.91	296.42	470.45	2614

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
578.00	674.54	651.54	2254	2291	146.35	295.46	469.13	2642
580.00	677.16	654.16	2256	2292	145.81	294.53	467.85	2622
582.00	679.81	656.81	2257	2293	145.26	293.57	466.54	2646
584.00	682.45	659.45	2258	2294	144.71	292.63	465.25	2642
586.00	685.03	662.03	2259	2295	144.20	291.74	464.03	2585
588.00	687.67	664.67	2261	2297	143.66	290.81	462.76	2638
590.00	690.23	667.23	2262	2298	143.17	289.95	461.58	2558
592.00	692.90	669.90	2263	2299	142.62	289.01	460.28	2670
594.00	695.61	672.61	2265	2300	142.07	288.04	458.93	2714
596.00	698.31	675.31	2266	2302	141.52	287.09	457.62	2693
598.00	700.95	677.95	2267	2303	141.00	286.18	456.36	2649
600.00	703.46	680.46	2268	2304	140.54	285.39	455.28	2503
602.00	705.94	682.94	2269	2304	140.10	284.62	454.23	2477
604.00	708.45	685.45	2270	2305	139.64	283.83	453.15	2517
606.00	710.99	687.99	2271	2306	139.18	283.02	452.04	2539
608.00	713.46	690.46	2271	2307	138.74	282.27	451.02	2472
610.00	716.12	693.12	2273	2308	138.24	281.38	449.78	2660
612.00	718.78	695.78	2274	2309	137.74	280.50	448.56	2658
614.00	721.45	698.45	2275	2310	137.23	279.61	447.33	2668
616.00	724.05	701.05	2276	2311	136.76	278.78	446.18	2604
618.00	726.58	703.58	2277	2312	136.32	278.01	445.12	2526
620.00	729.09	706.09	2278	2313	135.89	277.26	444.07	2513
622.00	731.71	708.71	2279	2314	135.41	276.42	442.92	2622
624.00	734.23	711.23	2280	2314	134.98	275.67	441.88	2519

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
								2496
626.00	736.73	713.73	2280	2315	134.57	274.94	440.87	
								2553
628.00	739.28	716.28	2281	2316	134.13	274.17	439.81	
								2516
630.00	741.80	718.80	2282	2317	133.71	273.43	438.78	
								2667
632.00	744.46	721.46	2283	2318	133.23	272.59	437.61	
								2598
634.00	747.06	724.06	2284	2319	132.79	271.80	436.51	
								2609
636.00	749.67	726.67	2285	2320	132.34	271.01	435.40	
								2588
638.00	752.26	729.26	2286	2321	131.90	270.23	434.32	
								2881
640.00	755.14	732.14	2288	2322	131.36	269.25	432.93	
								2597
642.00	757.74	734.74	2289	2323	130.93	268.48	431.86	
								2483
644.00	760.22	737.22	2290	2324	130.54	267.79	430.90	
								2437
646.00	762.66	739.66	2290	2324	130.16	267.14	429.99	
								2633
648.00	765.29	742.29	2291	2325	129.72	266.35	428.90	
								2650
650.00	767.94	744.94	2292	2326	129.28	265.56	427.79	
								2653
652.00	770.59	747.59	2293	2327	128.84	264.78	426.68	
								2456
654.00	773.05	750.05	2294	2328	128.47	264.12	425.77	
								2661
656.00	775.71	752.71	2295	2329	128.03	263.33	424.66	
								2256
658.00	777.97	754.97	2295	2329	127.73	262.80	423.94	
								2185
660.00	780.15	757.15	2294	2328	127.45	262.32	423.28	
								2188
662.00	782.34	759.34	2294	2328	127.17	261.83	422.62	
								2521
664.00	784.86	761.86	2295	2328	126.78	261.15	421.67	
								2605
666.00	787.47	764.47	2296	2329	126.38	260.41	420.63	
								2571
668.00	790.04	767.04	2297	2330	125.98	259.71	419.64	
								2282
670.00	792.32	769.32	2296	2330	125.68	259.17	418.91	
								2188
672.00	794.51	771.51	2296	2330	125.41	258.70	418.26	

TWO-WAY TRAVEL TIME FROM SRD MS	MEASURED DEPTH FROM KB M	VERTICAL DEPTH FROM SRD M	AVERAGE VELOCITY SRD/GEO M/S	RMS VELOCITY M/S	FIRST NORMAL MOVEOUT MS	SECOND NORMAL MOVEOUT MS	THIRD NORMAL MOVEOUT MS	INTERVAL VELOCITY M/S
								2256
674.00	796.76	773.76	2296	2329	125.11	258.18	417.56	
								2599
676.00	799.36	776.36	2297	2330	124.72	257.47	416.55	
								2710
678.00	802.07	779.07	2298	2331	124.29	256.69	415.44	
								2774
680.00	804.84	781.84	2300	2333	123.84	255.87	414.27	
								2672
682.00	807.52	784.52	2301	2334	123.43	255.12	413.21	
								2463
684.00	809.98	786.98	2301	2334	123.08	254.51	412.34	
								2419
686.00	812.40	789.40	2301	2335	122.75	253.92	411.52	
								2479
688.00	814.88	791.88	2302	2335	122.41	253.30	410.65	
								2490
690.00	817.37	794.37	2303	2335	122.06	252.67	409.77	
								2528
692.00	819.89	796.89	2303	2336	121.71	252.03	408.86	
								2670
694.00	822.56	799.56	2304	2337	121.31	251.30	407.82	
								2716
696.00	825.28	802.28	2305	2338	120.90	250.55	406.75	
								2715
698.00	827.99	804.99	2307	2339	120.49	249.81	405.68	
								2771
700.00	830.77	807.77	2308	2341	120.07	249.03	404.57	
								2809
702.00	833.57	810.57	2309	2342	119.64	248.24	403.42	
								2833
704.00	836.41	813.41	2311	2344	119.20	247.44	402.26	
								2865
706.00	839.27	816.27	2312	2345	118.76	246.62	401.08	
								2900
708.00	842.17	819.17	2314	2347	118.31	245.78	399.86	
								2971
710.00	845.14	822.14	2316	2349	117.84	244.90	398.59	
								2939
712.00	848.08	825.08	2318	2351	117.38	244.05	397.35	
								3011
714.00	851.09	828.09	2320	2353	116.90	243.16	396.05	
								2981
716.00	854.07	831.07	2321	2355	116.44	242.30	394.79	
								2950
718.00	857.03	834.03	2323	2357	115.99	241.46	393.57	
								2538
720.00	859.56	836.56	2324	2357	115.66	240.86	392.72	

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
								2594
722.00	862.16	839.16	2325	2358	115.33	240.24	391.82	
								2595
724.00	864.75	841.75	2325	2359	114.99	239.62	390.93	
								2491
726.00	867.24	844.24	2326	2359	114.68	239.05	390.13	
								2711
728.00	869.95	846.95	2327	2360	114.32	238.38	389.15	
								3062
730.00	873.02	850.02	2329	2362	113.85	237.49	387.86	
								2918
732.00	875.93	852.93	2330	2364	113.42	236.71	386.70	
								2851
734.00	878.78	855.78	2332	2366	113.03	235.96	385.62	
								2938
736.00	881.72	858.72	2333	2367	112.60	235.17	384.46	
								2841
738.00	884.56	861.56	2335	2369	112.22	234.44	383.40	
								2467
740.00	887.03	864.03	2335	2369	111.93	233.91	382.64	
								2872
742.00	889.90	866.90	2337	2371	111.53	233.17	381.56	
								2974
744.00	892.88	869.88	2338	2372	111.11	232.38	380.40	
								2977
746.00	895.85	872.85	2340	2374	110.69	231.59	379.23	
								2964
748.00	898.82	875.82	2342	2376	110.28	230.82	378.09	
								2933
750.00	901.75	878.75	2343	2378	109.88	230.06	376.98	
								2844
752.00	904.59	881.59	2345	2379	109.51	229.36	375.96	
								2026
754.00	906.62	883.62	2344	2378	109.33	229.04	375.52	
								2636
756.00	909.26	886.26	2345	2379	109.02	228.45	374.66	
								2812
758.00	912.07	889.07	2346	2380	108.66	227.78	373.68	
								2255
760.00	914.32	891.32	2346	2380	108.43	227.37	373.10	
								3176
762.00	917.50	894.50	2348	2382	107.98	226.50	371.80	
								3052
764.00	920.55	897.55	2350	2384	107.56	225.71	370.63	
								2534
766.00	923.09	900.09	2350	2385	107.28	225.18	369.87	
								2758
768.00	925.84	902.84	2351	2386	106.95	224.56	368.95	

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
770.00	928.87	905.87	2353	2388	106.54	223.79	367.81	3030
772.00	931.85	908.85	2355	2389	106.16	223.06	366.73	2973
774.00	934.87	911.87	2356	2391	105.76	222.30	365.60	3025
776.00	937.79	914.79	2358	2393	105.40	221.61	364.58	2919
778.00	940.88	917.88	2360	2395	104.99	220.83	363.41	3090
780.00	944.08	921.08	2362	2397	104.56	219.99	362.17	3194
782.00	947.31	924.31	2364	2400	104.11	219.15	360.90	3231
784.00	950.58	927.58	2366	2402	103.67	218.28	359.61	3273
786.00	953.79	930.79	2368	2405	103.24	217.46	358.37	3210
788.00	957.12	934.12	2371	2407	102.78	216.58	357.05	3332
790.00	960.37	937.37	2373	2410	102.35	215.75	355.80	3246
792.00	963.50	940.50	2375	2412	101.95	214.98	354.66	3132
794.00	966.59	943.59	2377	2414	101.57	214.25	353.56	3089
796.00	969.75	946.75	2379	2416	101.17	213.48	352.41	3160
798.00	972.99	949.99	2381	2419	100.76	212.68	351.20	3238
800.00	976.19	953.19	2383	2421	100.36	211.90	350.03	3204
802.00	979.43	956.43	2385	2423	99.95	211.11	348.84	3242
804.00	982.56	959.56	2387	2425	99.57	210.38	347.75	3123
806.00	985.74	962.74	2389	2427	99.18	209.63	346.62	3179
808.00	988.77	965.77	2391	2429	98.84	208.96	345.61	3037
810.00	991.91	968.91	2392	2431	98.46	208.24	344.52	3141
812.00	995.00	972.00	2394	2433	98.11	207.55	343.49	3087
814.00	998.12	975.12	2396	2435	97.74	206.85	342.43	3124
816.00	1001.32	978.32	2398	2437	97.37	206.12	341.32	3195

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
818.00	1004.52	981.52	2400	2439	96.99	205.39	340.22	3199
820.00	1007.80	984.80	2402	2442	96.60	204.62	339.06	3285
822.00	1011.08	988.08	2404	2444	96.21	203.86	337.91	3279
824.00	1014.26	991.26	2406	2446	95.85	203.16	336.84	3178
826.00	1017.62	994.62	2408	2449	95.45	202.37	335.65	3362
828.00	1020.80	997.80	2410	2451	95.09	201.68	334.59	3183
830.00	1023.97	1000.97	2412	2453	94.74	200.99	333.56	3164
832.00	1027.26	1004.26	2414	2455	94.36	200.25	332.44	3296
834.00	1030.62	1007.62	2416	2458	93.97	199.49	331.27	3360
836.00	1033.95	1010.95	2419	2460	93.59	198.74	330.14	3330
838.00	1037.25	1014.25	2421	2462	93.22	198.02	329.03	3297
840.00	1040.51	1017.51	2423	2465	92.87	197.32	327.97	3257
842.00	1043.77	1020.77	2425	2467	92.51	196.62	326.90	3263
844.00	1047.09	1024.09	2427	2469	92.14	195.91	325.81	3317
846.00	1050.40	1027.40	2429	2471	91.78	195.20	324.73	3309
848.00	1053.62	1030.62	2431	2473	91.44	194.53	323.71	3224
850.00	1056.80	1033.80	2432	2475	91.12	193.89	322.73	3185
852.00	1060.04	1037.04	2434	2477	90.78	193.22	321.72	3231
854.00	1063.29	1040.29	2436	2480	90.44	192.56	320.70	3255
856.00	1066.55	1043.55	2438	2482	90.10	191.89	319.69	3260
858.00	1069.81	1046.81	2440	2484	89.77	191.24	318.68	3258
860.00	1073.05	1050.05	2442	2486	89.44	190.59	317.69	3241
862.00	1076.47	1053.47	2444	2488	89.08	189.87	316.59	3417
864.00	1079.86	1056.86	2446	2491	88.72	189.17	315.50	3396

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
								3272
866.00	1083.13	1060.13	2448	2493	88.39	188.52	314.51	
								3340
868.00	1086.47	1063.47	2450	2495	88.06	187.85	313.48	
								3418
870.00	1089.89	1066.89	2453	2498	87.70	187.15	312.41	
								3345
872.00	1093.24	1070.24	2455	2500	87.37	186.49	311.39	
								3293
874.00	1096.53	1073.53	2457	2502	87.05	185.85	310.41	
								3298
876.00	1099.83	1076.83	2459	2504	86.73	185.22	309.43	
								3198
878.00	1103.03	1080.03	2460	2506	86.43	184.63	308.52	
								3231
880.00	1106.26	1083.26	2462	2508	86.13	184.03	307.60	
								3315
882.00	1109.57	1086.57	2464	2510	85.81	183.40	306.63	
								3310
884.00	1112.88	1089.88	2466	2512	85.50	182.77	305.67	
								3337
886.00	1116.22	1093.22	2468	2514	85.18	182.14	304.70	
								3324
888.00	1119.54	1096.54	2470	2516	84.87	181.52	303.74	
								3191
890.00	1122.73	1099.73	2471	2518	84.58	180.96	302.87	
								3286
892.00	1126.02	1103.02	2473	2520	84.28	180.36	301.95	
								3199
894.00	1129.22	1106.22	2475	2522	84.00	179.80	301.08	
								3245
896.00	1132.46	1109.46	2476	2524	83.71	179.22	300.20	
								3217
898.00	1135.68	1112.68	2478	2525	83.43	178.66	299.33	
								3284
900.00	1138.97	1115.97	2480	2527	83.14	178.08	298.43	
								3207
902.00	1142.17	1119.17	2482	2529	82.86	177.53	297.58	
								3273
904.00	1145.44	1122.44	2483	2531	82.58	176.96	296.70	
								3217
906.00	1148.66	1125.66	2485	2533	82.30	176.41	295.85	
								3146
908.00	1151.81	1128.81	2486	2534	82.04	175.89	295.05	
								3098
910.00	1154.91	1131.91	2488	2536	81.79	175.39	294.28	
								3183
912.00	1158.09	1135.09	2489	2537	81.53	174.87	293.47	

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
								3133
914.00	1161.22	1138.22	2491	2539	81.27	174.36	292.68	
								3164
916.00	1164.39	1141.39	2492	2540	81.02	173.85	291.89	
								3237
918.00	1167.62	1144.62	2494	2542	80.75	173.32	291.06	
								3192
920.00	1170.82	1147.82	2495	2543	80.49	172.80	290.26	
								3132
922.00	1173.95	1150.95	2497	2545	80.24	172.30	289.49	
								3175
924.00	1177.12	1154.12	2498	2546	79.99	171.80	288.71	
								3196
926.00	1180.32	1157.32	2500	2548	79.74	171.29	287.92	
								3212
928.00	1183.53	1160.53	2501	2550	79.48	170.78	287.12	
								3198
930.00	1186.73	1163.73	2503	2551	79.23	170.27	286.34	
								3121
932.00	1189.85	1166.85	2504	2553	78.99	169.80	285.60	
								3067
934.00	1192.92	1169.92	2505	2554	78.77	169.34	284.89	
								3127
936.00	1196.04	1173.04	2507	2555	78.53	168.87	284.16	
								3192
938.00	1199.24	1176.24	2508	2557	78.28	168.38	283.40	
								3248
940.00	1202.48	1179.48	2510	2558	78.03	167.87	282.61	
								3354
942.00	1205.84	1182.84	2511	2560	77.77	167.33	281.76	
								3462
944.00	1209.30	1186.30	2513	2562	77.48	166.76	280.87	
								3492
946.00	1212.79	1189.79	2515	2565	77.20	166.18	279.96	
								3410
948.00	1216.20	1193.20	2517	2567	76.93	165.64	279.10	
								3444
950.00	1219.64	1196.64	2519	2569	76.65	165.08	278.23	
								3406
952.00	1223.05	1200.05	2521	2571	76.39	164.54	277.39	
								3468
954.00	1226.52	1203.52	2523	2573	76.11	163.99	276.52	
								3325
956.00	1229.84	1206.84	2525	2575	75.86	163.48	275.73	
								3340
958.00	1233.18	1210.18	2526	2577	75.61	162.98	274.93	
								3186
960.00	1236.37	1213.37	2528	2578	75.39	162.52	274.22	

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
962.00	1239.45	1216.45	2529	2580	75.18	162.10	273.56	3084
964.00	1242.55	1219.55	2530	2581	74.96	161.67	272.89	3101
966.00	1245.79	1222.79	2532	2582	74.74	161.21	272.16	3232
968.00	1248.90	1225.90	2533	2583	74.52	160.78	271.50	3113
970.00	1252.27	1229.27	2535	2585	74.28	160.28	270.71	3371
972.00	1255.60	1232.60	2536	2587	74.04	159.80	269.95	3324
974.00	1258.88	1235.88	2538	2589	73.81	159.33	269.22	3283
976.00	1262.07	1239.07	2539	2590	73.59	158.89	268.53	3187
978.00	1265.33	1242.33	2541	2592	73.37	158.44	267.82	3260
980.00	1268.60	1245.60	2542	2593	73.14	157.98	267.09	3278
982.00	1271.80	1248.80	2543	2595	72.93	157.55	266.41	3198
984.00	1274.85	1251.85	2544	2596	72.74	157.16	265.80	3052
986.00	1278.10	1255.10	2546	2597	72.52	156.71	265.10	3249
988.00	1281.41	1258.41	2547	2599	72.29	156.26	264.38	3308
990.00	1284.73	1261.73	2549	2600	72.07	155.80	263.66	3322
992.00	1287.89	1264.89	2550	2602	71.87	155.39	263.02	3155
994.00	1291.09	1268.09	2551	2603	71.66	154.97	262.35	3204
996.00	1294.29	1271.29	2553	2604	71.46	154.55	261.70	3194
998.00	1297.45	1274.45	2554	2605	71.26	154.15	261.06	3162
1000.00	1300.70	1277.70	2555	2607	71.05	153.72	260.38	3253
1002.00	1304.00	1281.00	2557	2608	70.83	153.28	259.69	3295
1004.00	1307.19	1284.19	2558	2610	70.63	152.88	259.05	3191
1006.00	1310.31	1287.31	2559	2611	70.44	152.49	258.45	3120
1008.00	1313.61	1290.61	2561	2612	70.23	152.06	257.76	3299

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
1010.00	1316.79	1293.79	2562	2614	70.04	151.66	257.14	3179
1012.00	1319.98	1296.98	2563	2615	69.84	151.27	256.51	3196
1014.00	1323.10	1300.10	2564	2616	69.66	150.89	255.91	3122
1016.00	1326.44	1303.44	2566	2618	69.45	150.45	255.22	3342
1018.00	1329.64	1306.64	2567	2619	69.25	150.06	254.60	3191
1020.00	1332.89	1309.89	2568	2620	69.06	149.66	253.96	3250
1022.00	1336.19	1313.19	2570	2622	68.85	149.24	253.30	3302
1024.00	1339.29	1316.29	2571	2623	68.67	148.88	252.72	3106
1026.00	1342.59	1319.59	2572	2624	68.47	148.47	252.07	3299
1028.00	1345.87	1322.87	2574	2626	68.28	148.06	251.43	3278
1030.00	1349.08	1326.08	2575	2627	68.09	147.68	250.82	3207
1032.00	1352.25	1329.25	2576	2628	67.91	147.31	250.23	3167
1034.00	1355.37	1332.37	2577	2629	67.73	146.95	249.66	3120
1036.00	1358.52	1335.52	2578	2630	67.55	146.58	249.08	3154
1038.00	1361.67	1338.67	2579	2631	67.38	146.22	248.51	3149
1040.00	1364.87	1341.87	2581	2633	67.20	145.85	247.92	3200
1042.00	1368.01	1345.01	2582	2634	67.02	145.49	247.35	3146
1044.00	1371.05	1348.05	2582	2635	66.86	145.16	246.83	3031
1046.00	1374.03	1351.03	2583	2635	66.71	144.84	246.33	2980
1048.00	1377.02	1354.02	2584	2636	66.55	144.53	245.82	2993
1050.00	1380.05	1357.05	2585	2637	66.39	144.20	245.31	3033
1052.00	1382.99	1359.99	2586	2637	66.24	143.90	244.83	2936
1054.00	1385.94	1362.94	2586	2638	66.09	143.59	244.34	2949
1056.00	1388.92	1365.92	2587	2639	65.94	143.28	243.85	2978

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
1058.00	1391.85	1368.85	2588	2639	65.80	142.99	243.38	2931
1060.00	1394.71	1371.71	2588	2640	65.66	142.70	242.93	2865
1062.00	1397.67	1374.67	2589	2640	65.51	142.40	242.46	2954
1064.00	1400.37	1377.37	2589	2640	65.39	142.15	242.07	2702
1066.00	1403.09	1380.09	2589	2641	65.27	141.90	241.67	2726
1068.00	1405.84	1382.84	2590	2641	65.14	141.65	241.27	2747
1070.00	1408.50	1385.50	2590	2641	65.03	141.41	240.89	2662
1072.00	1411.18	1388.18	2590	2641	64.91	141.17	240.51	2679
1074.00	1413.88	1390.88	2590	2641	64.79	140.93	240.13	2699
1076.00	1416.53	1393.53	2590	2641	64.67	140.69	239.76	2649
1078.00	1419.33	1396.33	2591	2641	64.55	140.43	239.35	2802
1080.00	1422.11	1399.11	2591	2642	64.42	140.18	238.94	2778
1082.00	1424.90	1401.90	2591	2642	64.30	139.92	238.53	2785
1084.00	1427.62	1404.62	2592	2642	64.18	139.68	238.15	2721
1086.00	1430.43	1407.43	2592	2642	64.05	139.41	237.74	2814
1088.00	1432.99	1409.99	2592	2642	63.95	139.20	237.40	2555
1090.00	1435.08	1412.08	2591	2641	63.88	139.07	237.19	2090
1092.00	1437.52	1414.52	2591	2641	63.78	138.87	236.89	2445
1094.00	1440.12	1417.12	2591	2641	63.68	138.66	236.55	2600
1096.00	1442.66	1419.66	2591	2641	63.58	138.45	236.22	2540
1098.00	1445.24	1422.24	2591	2641	63.47	138.24	235.89	2576
1100.00	1447.83	1424.83	2591	2641	63.37	138.02	235.55	2593
1102.00	1450.55	1427.55	2591	2641	63.25	137.79	235.17	2715
1104.00	1453.29	1430.29	2591	2641	63.13	137.55	234.79	2747

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
1106.00	1456.03	1433.03	2591	2641	63.02	137.31	234.41	2734
1108.00	1458.71	1435.71	2592	2641	62.91	137.08	234.05	2682
1110.00	1461.37	1438.37	2592	2641	62.80	136.86	233.70	2663
1112.00	1464.02	1441.02	2592	2641	62.69	136.63	233.35	2653
1114.00	1466.72	1443.72	2592	2641	62.58	136.41	232.98	2699
1116.00	1469.48	1446.48	2592	2641	62.46	136.17	232.60	2754
1118.00	1472.18	1449.18	2592	2642	62.35	135.94	232.24	2702
1120.00	1474.89	1451.89	2593	2642	62.24	135.71	231.88	2709
1122.00	1477.64	1454.64	2593	2642	62.13	135.48	231.50	2749
1124.00	1480.41	1457.41	2593	2642	62.01	135.24	231.12	2777
1126.00	1483.15	1460.15	2594	2642	61.90	135.01	230.76	2735
1128.00	1485.89	1462.89	2594	2642	61.79	134.78	230.39	2736
1130.00	1488.63	1465.63	2594	2643	61.68	134.55	230.02	2742
1132.00	1491.35	1468.35	2594	2643	61.57	134.32	229.66	2724
1134.00	1494.11	1471.11	2595	2643	61.45	134.09	229.29	2759
1136.00	1496.92	1473.92	2595	2643	61.34	133.85	228.91	2805
1138.00	1499.71	1476.71	2595	2644	61.22	133.61	228.53	2797
1140.00	1502.41	1479.41	2595	2644	61.12	133.39	228.18	2697
1142.00	1505.17	1482.17	2596	2644	61.01	133.16	227.82	2758
1144.00	1507.91	1484.91	2596	2644	60.90	132.94	227.46	2739
1146.00	1510.58	1487.58	2596	2644	60.79	132.73	227.12	2674
1148.00	1513.24	1490.24	2596	2644	60.69	132.52	226.78	2658
1150.00	1515.89	1492.89	2596	2644	60.59	132.31	226.45	2650
1152.00	1518.54	1495.54	2596	2644	60.49	132.10	226.12	2652

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
1154.00	1521.16	1498.16	2596	2644	60.39	131.90	225.80	2621
1156.00	1523.95	1500.95	2597	2644	60.28	131.67	225.43	2788
1158.00	1526.55	1503.55	2597	2644	60.19	131.47	225.12	2602
1160.00	1529.19	1506.19	2597	2644	60.09	131.27	224.79	2644
1162.00	1531.89	1508.89	2597	2644	59.98	131.06	224.46	2696
1164.00	1534.55	1511.55	2597	2644	59.89	130.85	224.13	2663
1166.00	1537.22	1514.22	2597	2644	59.79	130.65	223.80	2664
1168.00	1539.88	1516.88	2597	2644	59.69	130.45	223.47	2659
1170.00	1542.55	1519.55	2598	2645	59.59	130.24	223.15	2671
1172.00	1545.18	1522.18	2598	2645	59.49	130.04	222.83	2630
1174.00	1547.81	1524.81	2598	2644	59.40	129.84	222.51	2632
1176.00	1550.47	1527.47	2598	2645	59.30	129.64	222.19	2661
1178.00	1553.12	1530.12	2598	2645	59.20	129.44	221.87	2654
1180.00	1555.87	1532.87	2598	2645	59.10	129.23	221.53	2745
1182.00	1558.56	1535.56	2598	2645	59.00	129.03	221.20	2688
1184.00	1561.30	1538.30	2598	2645	58.90	128.81	220.86	2741
1186.00	1563.99	1540.99	2599	2645	58.80	128.61	220.53	2697
1188.00	1566.69	1543.69	2599	2645	58.70	128.41	220.21	2699
1190.00	1569.42	1546.42	2599	2645	58.60	128.20	219.87	2724
1192.00	1572.12	1549.12	2599	2645	58.51	128.00	219.55	2705
1194.00	1574.74	1551.74	2599	2645	58.41	127.81	219.24	2619
1196.00	1577.49	1554.49	2599	2645	58.31	127.60	218.91	2745
1198.00	1580.25	1557.25	2600	2646	58.21	127.39	218.57	2759
1200.00	1582.93	1559.93	2600	2646	58.12	127.19	218.25	2689

TWO-WAY TRAVEL TIME FROM SRD MS	MEASURED DEPTH FROM KB M	VERTICAL DEPTH FROM SRD M	AVERAGE VELOCITY SRD/GEO M/S	RMS VELOCITY M/S	FIRST NORMAL MOVEOUT MS	SECOND NORMAL MOVEOUT MS	THIRD NORMAL MOVEOUT MS	INTERVAL VELOCITY M/S
1202.00	1585.62	1562.62	2600	2646	58.02	126.99	217.93	2682
1204.00	1588.30	1565.30	2600	2646	57.93	126.79	217.62	2680
1206.00	1590.94	1567.94	2600	2646	57.84	126.60	217.31	2644
1208.00	1593.57	1570.57	2600	2646	57.75	126.42	217.01	2630
1210.00	1596.21	1573.21	2600	2646	57.65	126.23	216.71	2643
1212.00	1598.81	1575.81	2600	2646	57.57	126.05	216.42	2595
1214.00	1601.46	1578.46	2600	2646	57.48	125.86	216.11	2650
1216.00	1604.09	1581.09	2600	2646	57.39	125.67	215.81	2628
1218.00	1606.71	1583.71	2601	2646	57.30	125.49	215.52	2624
1220.00	1609.35	1586.35	2601	2646	57.21	125.30	215.22	2638
1222.00	1612.00	1589.00	2601	2646	57.12	125.12	214.92	2653
1224.00	1614.57	1591.57	2601	2646	57.04	124.94	214.64	2572
1226.00	1617.16	1594.16	2601	2645	56.95	124.77	214.36	2581
1228.00	1619.72	1596.72	2601	2645	56.87	124.59	214.08	2559
1230.00	1622.35	1599.35	2601	2645	56.78	124.41	213.78	2639
1232.00	1625.00	1602.00	2601	2645	56.69	124.23	213.49	2646
1234.00	1627.63	1604.63	2601	2645	56.61	124.05	213.20	2628
1236.00	1630.14	1607.14	2601	2645	56.53	123.88	212.93	2514
1238.00	1632.64	1609.64	2600	2645	56.45	123.72	212.67	2496
1240.00	1635.20	1612.20	2600	2645	56.37	123.55	212.40	2561
1242.00	1637.75	1614.75	2600	2645	56.29	123.39	212.13	2551
1244.00	1640.26	1617.26	2600	2644	56.21	123.22	211.87	2506
1246.00	1642.73	1619.73	2600	2644	56.13	123.07	211.62	2474
1248.00	1645.25	1622.25	2600	2644	56.06	122.91	211.36	2516

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
								2575
1250.00	1647.82	1624.82	2600	2644	55.97	122.74	211.09	
								2724
1252.00	1650.55	1627.55	2600	2644	55.88	122.55	210.78	
								2581
1254.00	1653.13	1630.13	2600	2644	55.80	122.38	210.51	
								2459
1256.00	1655.59	1632.59	2600	2644	55.73	122.22	210.26	
								2588
1258.00	1658.17	1635.17	2600	2643	55.65	122.06	209.99	
								2525
1260.00	1660.70	1637.70	2600	2643	55.57	121.90	209.73	
								2597
1262.00	1663.30	1640.30	2600	2643	55.49	121.73	209.46	
								2630
1264.00	1665.93	1642.93	2600	2643	55.41	121.55	209.17	
								2568
1266.00	1668.50	1645.50	2600	2643	55.33	121.39	208.91	
								2468
1268.00	1670.96	1647.96	2599	2643	55.25	121.23	208.66	
								2184
1270.00	1673.15	1650.15	2599	2642	55.20	121.12	208.48	
								2489
1272.00	1675.64	1652.64	2598	2642	55.12	120.97	208.23	
								2479
1274.00	1678.12	1655.12	2598	2642	55.05	120.81	207.99	
								2579
1276.00	1680.69	1657.69	2598	2642	54.97	120.65	207.72	
								2608
1278.00	1683.30	1660.30	2598	2641	54.89	120.48	207.45	
								2580
1280.00	1685.88	1662.88	2598	2641	54.81	120.32	207.18	
								2652
1282.00	1688.53	1665.53	2598	2641	54.73	120.14	206.90	
								2671
1284.00	1691.21	1668.21	2598	2641	54.65	119.97	206.62	
								2553
1286.00	1693.76	1670.76	2598	2641	54.57	119.81	206.36	
								2589
1288.00	1696.35	1673.35	2598	2641	54.49	119.65	206.10	
								2638
1290.00	1698.99	1675.99	2598	2641	54.41	119.48	205.82	
								2678
1292.00	1701.66	1678.66	2599	2641	54.33	119.30	205.54	
								2547
1294.00	1704.21	1681.21	2598	2641	54.25	119.15	205.28	
								2651
1296.00	1706.86	1683.86	2599	2641	54.17	118.98	205.01	

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
1298.00	1709.55	1686.55	2599	2641	54.09	118.80	204.73	2686
1300.00	1712.08	1689.08	2599	2641	54.02	118.65	204.48	2537
1302.00	1714.60	1691.60	2598	2641	53.95	118.50	204.23	2514
1304.00	1717.22	1694.22	2598	2641	53.87	118.33	203.97	2618
1306.00	1719.80	1696.80	2598	2641	53.79	118.18	203.71	2585
1308.00	1722.34	1699.34	2598	2641	53.72	118.02	203.46	2543
1310.00	1724.85	1701.85	2598	2640	53.65	117.87	203.22	2507
1312.00	1727.38	1704.38	2598	2640	53.57	117.72	202.97	2533
1314.00	1730.03	1707.03	2598	2640	53.50	117.56	202.71	2642
1316.00	1732.18	1709.18	2598	2640	53.44	117.45	202.54	2153
1318.00	1734.47	1711.47	2597	2639	53.39	117.33	202.34	2286
1320.00	1736.99	1713.99	2597	2639	53.32	117.18	202.10	2525
1322.00	1739.54	1716.54	2597	2639	53.24	117.03	201.85	2548
1324.00	1742.16	1719.16	2597	2639	53.17	116.87	201.59	2625
1326.00	1744.71	1721.71	2597	2639	53.10	116.72	201.35	2543
1328.00	1747.29	1724.29	2597	2639	53.02	116.57	201.10	2579
1330.00	1749.99	1726.99	2597	2639	52.94	116.40	200.82	2704
1332.00	1752.63	1729.63	2597	2639	52.87	116.24	200.56	2639
1334.00	1755.20	1732.20	2597	2639	52.79	116.08	200.31	2576
1336.00	1757.73	1734.73	2597	2638	52.72	115.94	200.07	2529
1338.00	1760.39	1737.39	2597	2638	52.65	115.78	199.81	2653
1340.00	1762.97	1739.97	2597	2638	52.57	115.62	199.56	2580
1342.00	1765.59	1742.59	2597	2638	52.50	115.47	199.31	2620
1344.00	1768.36	1745.36	2597	2639	52.42	115.29	199.02	2778

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
1346.00	1771.08	1748.08	2597	2639	52.34	115.12	198.74	2714
1348.00	1773.61	1750.61	2597	2638	52.27	114.98	198.51	2529
1350.00	1776.20	1753.20	2597	2638	52.20	114.83	198.26	2591
1352.00	1778.75	1755.75	2597	2638	52.13	114.68	198.03	2550
1354.00	1781.23	1758.23	2597	2638	52.06	114.55	197.80	2484
1356.00	1783.77	1760.77	2597	2638	51.99	114.40	197.57	2539
1358.00	1786.30	1763.30	2597	2638	51.93	114.26	197.34	2525
1360.00	1788.90	1765.90	2597	2638	51.85	114.11	197.09	2608
1362.00	1791.42	1768.42	2597	2638	51.79	113.97	196.86	2516
1364.00	1794.01	1771.01	2597	2637	51.72	113.82	196.62	2588
1366.00	1796.64	1773.64	2597	2637	51.64	113.67	196.37	2630
1368.00	1799.14	1776.14	2597	2637	51.58	113.53	196.14	2501
1370.00	1801.67	1778.67	2597	2637	51.51	113.39	195.91	2534
1372.00	1804.17	1781.17	2596	2637	51.45	113.25	195.69	2497
1374.00	1806.71	1783.71	2596	2637	51.38	113.11	195.46	2536
1376.00	1809.30	1786.30	2596	2637	51.31	112.97	195.22	2592
1378.00	1811.91	1788.91	2596	2637	51.24	112.82	194.98	2615
1380.00	1814.50	1791.50	2596	2637	51.17	112.67	194.74	2583
1382.00	1817.19	1794.19	2597	2637	51.10	112.51	194.48	2694
1384.00	1820.07	1797.07	2597	2637	51.01	112.33	194.18	2883
1386.00	1823.00	1800.00	2597	2637	50.92	112.15	193.88	2926
1388.00	1825.91	1802.91	2598	2638	50.84	111.96	193.58	2909
1390.00	1828.70	1805.70	2598	2638	50.76	111.80	193.30	2791
1392.00	1831.66	1808.66	2599	2639	50.67	111.61	192.99	2962

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
1394.00	1834.57	1811.57	2599	2639	50.58	111.43	192.69	2908
1396.00	1837.45	1814.45	2600	2639	50.50	111.25	192.40	2882
1398.00	1840.31	1817.31	2600	2640	50.42	111.07	192.11	2856
1400.00	1843.23	1820.23	2600	2640	50.33	110.89	191.81	2925
1402.00	1846.03	1823.03	2601	2640	50.26	110.73	191.54	2797
1404.00	1848.82	1825.82	2601	2641	50.18	110.56	191.27	2795
1406.00	1851.62	1828.62	2601	2641	50.10	110.40	191.00	2798
1408.00	1854.49	1831.49	2602	2641	50.02	110.23	190.71	2871
1410.00	1857.43	1834.43	2602	2642	49.93	110.05	190.41	2932
1412.00	1860.26	1837.26	2602	2642	49.86	109.88	190.14	2832
1414.00	1862.99	1839.99	2603	2642	49.78	109.72	189.89	2729
1416.00	1865.88	1842.88	2603	2642	49.70	109.55	189.60	2894
1418.00	1868.62	1845.62	2603	2643	49.63	109.40	189.34	2741
1420.00	1871.39	1848.39	2603	2643	49.55	109.24	189.08	2774
1422.00	1874.14	1851.14	2604	2643	49.48	109.08	188.83	2741
1424.00	1877.02	1854.02	2604	2643	49.40	108.91	188.55	2880
1426.00	1879.90	1856.90	2604	2644	49.32	108.74	188.27	2885
1428.00	1882.84	1859.84	2605	2644	49.24	108.57	187.98	2937
1430.00	1885.68	1862.68	2605	2644	49.16	108.41	187.71	2839
1432.00	1888.49	1865.49	2605	2645	49.09	108.25	187.44	2812
1434.00	1891.49	1868.49	2606	2645	49.00	108.06	187.14	2999
1436.00	1894.28	1871.28	2606	2645	48.93	107.91	186.88	2793
1438.00	1897.19	1874.19	2607	2646	48.85	107.74	186.60	2913
1440.00	1900.02	1877.02	2607	2646	48.77	107.58	186.33	2828

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
								2870
1442.00	1902.89	1879.89	2607	2646	48.69	107.41	186.06	
								2715
1444.00	1905.61	1882.61	2607	2646	48.63	107.27	185.82	
								2860
1446.00	1908.47	1885.47	2608	2647	48.55	107.10	185.55	
								2688
1448.00	1911.15	1888.15	2608	2647	48.48	106.96	185.32	
								2773
1450.00	1913.93	1890.93	2608	2647	48.41	106.81	185.07	
								2702
1452.00	1916.63	1893.63	2608	2647	48.34	106.67	184.83	
								2593
1454.00	1919.22	1896.22	2608	2647	48.28	106.54	184.62	
								2665
1456.00	1921.89	1898.89	2608	2647	48.22	106.40	184.39	
								2695
1458.00	1924.58	1901.58	2608	2647	48.15	106.26	184.15	
								2753
1460.00	1927.34	1904.34	2609	2647	48.08	106.11	183.91	
								2655
1462.00	1929.99	1906.99	2609	2647	48.02	105.97	183.69	
								2662
1464.00	1932.65	1909.65	2609	2647	47.95	105.84	183.46	
								2651
1466.00	1935.30	1912.30	2609	2647	47.89	105.70	183.24	
								2682
1468.00	1937.99	1914.99	2609	2647	47.83	105.56	183.01	
								2648
1470.00	1940.63	1917.63	2609	2647	47.76	105.43	182.79	
								2713
1472.00	1943.35	1920.35	2609	2647	47.70	105.29	182.55	
								2695
1474.00	1946.04	1923.04	2609	2647	47.63	105.15	182.33	
								2683
1476.00	1948.72	1925.72	2609	2647	47.57	105.01	182.10	
								2679
1478.00	1951.40	1928.40	2609	2647	47.50	104.88	181.87	
								2759
1480.00	1954.16	1931.16	2610	2648	47.44	104.73	181.64	
								2813
1482.00	1956.97	1933.97	2610	2648	47.37	104.58	181.39	
								2908
1484.00	1959.88	1936.88	2610	2648	47.29	104.42	181.12	
								2757
1486.00	1962.64	1939.64	2611	2648	47.22	104.28	180.89	
								2847
1488.00	1965.49	1942.49	2611	2649	47.15	104.13	180.63	

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
1490.00	1968.38	1945.38	2611	2649	47.08	103.97	180.37	2891
1492.00	1971.17	1948.17	2611	2649	47.01	103.83	180.13	2795
1494.00	1973.95	1950.95	2612	2649	46.94	103.68	179.89	2781
1496.00	1976.79	1953.79	2612	2650	46.87	103.54	179.65	2831
1498.00	1979.62	1956.62	2612	2650	46.80	103.39	179.40	2830
1500.00	1982.45	1959.45	2613	2650	46.74	103.24	179.15	2830
1502.00	1985.35	1962.35	2613	2650	46.66	103.08	178.90	2902
1504.00	1988.21	1965.21	2613	2651	46.59	102.93	178.65	2866
1506.00	1991.06	1968.06	2614	2651	46.52	102.79	178.40	2846
1508.00	1994.02	1971.02	2614	2651	46.45	102.63	178.13	2961
1510.00	1996.95	1973.95	2615	2652	46.37	102.47	177.87	2934
1512.00	1999.96	1976.96	2615	2652	46.30	102.30	177.60	3010
1514.00	2002.89	1979.89	2615	2653	46.23	102.15	177.34	2930
1516.00	2005.75	1982.75	2616	2653	46.16	102.00	177.09	2859
1518.00	2008.76	1985.76	2616	2654	46.08	101.84	176.82	3002
1520.00	2011.69	1988.69	2617	2654	46.01	101.68	176.56	2935
1522.00	2014.50	1991.50	2617	2654	45.94	101.54	176.33	2814
1524.00	2017.46	1994.46	2617	2655	45.87	101.39	176.07	2956
1526.00	2020.42	1997.42	2618	2655	45.80	101.23	175.81	2964
1528.00	2023.18	2000.18	2618	2655	45.73	101.10	175.58	2757
1530.00	2026.09	2003.09	2618	2655	45.66	100.95	175.34	2905
1532.00	2028.86	2005.86	2619	2656	45.60	100.81	175.11	2775
1534.00	2031.70	2008.70	2619	2656	45.53	100.67	174.87	2839
1536.00	2034.60	2011.60	2619	2656	45.47	100.52	174.63	2898

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
								2786
1538.00	2037.38	2014.38	2619	2656	45.40	100.39	174.40	
								2869
1540.00	2040.25	2017.25	2620	2657	45.34	100.24	174.16	
								2880
1542.00	2043.13	2020.13	2620	2657	45.27	100.10	173.92	
								2744
1544.00	2045.88	2022.88	2620	2657	45.21	99.97	173.71	
								2787
1546.00	2048.66	2025.66	2621	2657	45.15	99.84	173.48	
								2834
1548.00	2051.50	2028.50	2621	2657	45.08	99.70	173.25	
								2896
1550.00	2054.39	2031.39	2621	2658	45.01	99.55	173.01	
								2813
1552.00	2057.21	2034.21	2621	2658	44.95	99.42	172.79	
								2924
1554.00	2060.13	2037.13	2622	2658	44.88	99.27	172.54	
								2736
1556.00	2062.87	2039.87	2622	2658	44.82	99.14	172.33	
								2835
1558.00	2065.70	2042.70	2622	2659	44.76	99.01	172.10	
								2811
1560.00	2068.51	2045.51	2622	2659	44.70	98.87	171.88	
								2732
1562.00	2071.24	2048.24	2623	2659	44.64	98.75	171.67	
								2742
1564.00	2073.99	2050.99	2623	2659	44.58	98.62	171.46	
								2817
1566.00	2076.80	2053.80	2623	2659	44.52	98.49	171.23	
								2716
1568.00	2079.52	2056.52	2623	2659	44.46	98.36	171.03	
								2863
1570.00	2082.38	2059.38	2623	2660	44.39	98.23	170.80	
								2980
1572.00	2085.36	2062.36	2624	2660	44.33	98.08	170.55	
								3014
1574.00	2088.38	2065.38	2624	2661	44.26	97.93	170.30	
								2944
1576.00	2091.32	2068.32	2625	2661	44.19	97.78	170.06	
								2897
1578.00	2094.22	2071.22	2625	2661	44.12	97.64	169.82	
								2867
1580.00	2097.09	2074.09	2625	2662	44.06	97.51	169.60	
								2872
1582.00	2099.96	2076.96	2626	2662	44.00	97.37	169.37	
								2899
1584.00	2102.86	2079.86	2626	2662	43.93	97.23	169.14	

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
								2906
1586.00	2105.76	2082.76	2626	2662	43.87	97.10	168.91	
								2877
1588.00	2108.64	2085.64	2627	2663	43.81	96.96	168.68	
								2874
1590.00	2111.51	2088.51	2627	2663	43.74	96.83	168.45	
								2882
1592.00	2114.40	2091.40	2627	2663	43.68	96.69	168.23	
								2908
1594.00	2117.30	2094.30	2628	2664	43.62	96.55	168.00	
								2916
1596.00	2120.22	2097.22	2628	2664	43.55	96.42	167.77	
								2930
1598.00	2123.15	2100.15	2628	2664	43.49	96.28	167.54	
								2901
1600.00	2126.05	2103.05	2629	2665	43.43	96.14	167.31	
								2978
1602.00	2129.03	2106.03	2629	2665	43.36	96.00	167.07	
								3018
1604.00	2132.04	2109.04	2630	2665	43.29	95.86	166.83	
								3012
1606.00	2135.06	2112.06	2630	2666	43.22	95.71	166.58	
								3034
1608.00	2138.09	2115.09	2631	2666	43.16	95.56	166.34	
								2991
1610.00	2141.08	2118.08	2631	2667	43.09	95.42	166.10	
								3028
1612.00	2144.11	2121.11	2632	2667	43.02	95.28	165.86	
								3062
1614.00	2147.17	2124.17	2632	2668	42.95	95.13	165.61	
								3062
1616.00	2150.23	2127.23	2633	2668	42.89	94.98	165.36	
								3058
1618.00	2153.29	2130.29	2633	2669	42.82	94.84	165.11	
								3073
1620.00	2156.36	2133.36	2634	2669	42.75	94.69	164.87	
								3071
1622.00	2159.43	2136.43	2634	2670	42.68	94.54	164.62	
								3077
1624.00	2162.51	2139.51	2635	2670	42.61	94.39	164.37	
								3108
1626.00	2165.62	2142.62	2635	2671	42.54	94.24	164.12	
								3066
1628.00	2168.68	2145.68	2636	2672	42.48	94.10	163.88	
								3110
1630.00	2171.79	2148.79	2637	2672	42.41	93.95	163.62	
								3086
1632.00	2174.88	2151.88	2637	2673	42.34	93.80	163.38	

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
1634.00	2177.94	2154.94	2638	2673	42.27	93.66	163.14	3064
1636.00	2181.07	2158.07	2638	2674	42.20	93.51	162.89	3126
1638.00	2184.23	2161.23	2639	2674	42.13	93.36	162.63	3158
1640.00	2187.36	2164.36	2639	2675	42.06	93.21	162.38	3135
1642.00	2190.51	2167.51	2640	2676	42.00	93.06	162.13	3151
1644.00	2193.56	2170.56	2641	2676	41.93	92.92	161.89	3044
1646.00	2196.72	2173.72	2641	2677	41.86	92.77	161.64	3161
1648.00	2199.87	2176.87	2642	2677	41.79	92.62	161.39	3153
1650.00	2203.08	2180.08	2643	2678	41.72	92.47	161.13	3210
1652.00	2206.33	2183.33	2643	2679	41.65	92.31	160.86	3244
1654.00	2209.39	2186.39	2644	2679	41.58	92.17	160.63	3064
1656.00	2212.53	2189.53	2644	2680	41.52	92.03	160.38	3143
1658.00	2215.63	2192.63	2645	2681	41.45	91.88	160.14	3092
1660.00	2218.58	2195.58	2645	2681	41.39	91.76	159.93	2957
1662.00	2221.52	2198.52	2646	2681	41.33	91.63	159.71	2941
1664.00	2224.59	2201.59	2646	2682	41.27	91.49	159.48	3068
1666.00	2227.69	2204.69	2647	2682	41.20	91.35	159.25	3101
1668.00	2230.72	2207.72	2647	2683	41.14	91.22	159.02	3029
1670.00	2233.58	2210.58	2647	2683	41.09	91.10	158.82	2862
1672.00	2236.46	2213.46	2648	2683	41.03	90.98	158.62	2878
1674.00	2239.37	2216.37	2648	2683	40.98	90.86	158.42	2905
1676.00	2242.22	2219.22	2648	2684	40.92	90.74	158.22	2855
1678.00	2245.20	2222.20	2649	2684	40.86	90.62	158.01	2982
1680.00	2248.23	2225.23	2649	2684	40.80	90.49	157.79	3022

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
1682.00	2251.19	2228.19	2649	2685	40.75	90.36	157.58	2959
1684.00	2254.18	2231.18	2650	2685	40.69	90.23	157.36	2995
1686.00	2257.08	2234.08	2650	2685	40.63	90.11	157.16	2900
1688.00	2259.81	2236.81	2650	2686	40.58	90.01	156.98	2732
1690.00	2262.67	2239.67	2651	2686	40.53	89.89	156.79	2861
1692.00	2265.59	2242.59	2651	2686	40.47	89.78	156.59	2912
1694.00	2268.56	2245.56	2651	2686	40.42	89.65	156.38	2978
1696.00	2272.16	2249.16	2652	2688	40.33	89.47	156.07	3594
1698.00	2275.63	2252.63	2653	2689	40.26	89.30	155.78	3476
1700.00	2279.07	2256.07	2654	2690	40.18	89.14	155.51	3435
1702.00	2282.23	2259.23	2655	2690	40.12	89.00	155.27	3158
1704.00	2285.46	2262.46	2655	2691	40.05	88.85	155.03	3238
1706.00	2288.67	2265.67	2656	2692	39.98	88.71	154.79	3205
1708.00	2291.94	2268.94	2657	2692	39.92	88.56	154.54	3268
1710.00	2295.26	2272.26	2658	2693	39.85	88.41	154.28	3318
1712.00	2298.50	2275.50	2658	2694	39.78	88.27	154.04	3241
1714.00	2301.90	2278.90	2659	2695	39.71	88.11	153.77	3404
1716.00	2305.22	2282.22	2660	2696	39.64	87.96	153.52	3317
1718.00	2308.66	2285.66	2661	2697	39.57	87.80	153.25	3446
1720.00	2312.07	2289.07	2662	2698	39.49	87.65	152.98	3411
1722.00	2315.45	2292.45	2663	2699	39.42	87.49	152.72	3379
1724.00	2318.71	2295.71	2663	2699	39.36	87.35	152.48	3257
1726.00	2322.16	2299.16	2664	2700	39.28	87.19	152.21	3452
1728.00	2325.62	2302.62	2665	2701	39.21	87.03	151.94	3462

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
								3308
1730.00	2328.93	2305.93	2666	2702	39.14	86.89	151.70	
								3297
1732.00	2332.23	2309.23	2667	2703	39.08	86.74	151.45	
								3296
1734.00	2335.53	2312.53	2667	2704	39.01	86.60	151.21	
								3289
1736.00	2338.81	2315.81	2668	2704	38.95	86.46	150.97	
								3417
1738.00	2342.23	2319.23	2669	2705	38.88	86.31	150.71	
								3530
1740.00	2345.76	2322.76	2670	2706	38.80	86.15	150.43	
								3317
1742.00	2349.08	2326.08	2671	2707	38.74	86.00	150.19	
								3089
1744.00	2352.17	2329.17	2671	2708	38.68	85.88	149.98	
								2923
1746.00	2355.09	2332.09	2671	2708	38.63	85.77	149.80	
								3519
1748.00	2358.61	2335.61	2672	2709	38.56	85.61	149.53	
								3426
1750.00	2362.04	2339.04	2673	2710	38.49	85.46	149.27	
								3481
1752.00	2365.52	2342.52	2674	2711	38.42	85.30	149.01	
								3460
1754.00	2368.98	2345.98	2675	2712	38.35	85.15	148.75	
								3382
1756.00	2372.36	2349.36	2676	2713	38.28	85.01	148.50	
								3478
1758.00	2375.84	2352.84	2677	2714	38.21	84.85	148.24	
								3327
1760.00	2379.16	2356.16	2677	2714	38.14	84.72	148.01	
								3690
1762.00	2382.85	2359.85	2679	2716	38.07	84.54	147.71	
								3515
1764.00	2386.37	2363.37	2680	2717	37.99	84.39	147.45	
								3596
1766.00	2389.97	2366.97	2681	2718	37.92	84.23	147.18	
								3399
1768.00	2393.36	2370.36	2681	2719	37.85	84.08	146.93	
								3432
1770.00	2396.80	2373.80	2682	2720	37.79	83.94	146.68	
								3534
1772.00	2400.33	2377.33	2683	2721	37.72	83.78	146.42	
								3596
1774.00	2403.93	2380.93	2684	2722	37.64	83.63	146.15	
								3997
1776.00	2407.92	2384.92	2686	2724	37.55	83.43	145.82	

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
								4157
1778.00	2412.08	2389.08	2687	2726	37.46	83.22	145.46	
								4157
1780.00	2416.24	2393.24	2689	2728	37.36	83.01	145.10	

PE603387

This is an enclosure indicator page.
The enclosure PE603387 is enclosed within the container PE906040 at this location in this document.

The enclosure PE603387 has the following characteristics:

ITEM_BARCODE	= PE603387
CONTAINER_BARCODE	= PE906040
NAME	= Drift Corrected Sonic
BASIN	= GIPPSLAND
PERMIT	= VIC/L8
TYPE	= WELL
SUBTYPE	= WELL_LOG
DESCRIPTION	= Drift Corrected Sonic log (from attachment to WCR--Drift Corrected Sonic and Geogram Processing Report) for Kingfish-8
REMARKS	=
DATE_CREATED	= 02/04/1992
DATE_RECEIVED	=
W_NO	= W1057
WELL_NAME	= KINGFISH-8
CONTRACTOR	= SCHLUMBERGER
CLIENT_OP_CO	= ESSO AUSTRALIA LIMITED

(Inserted by DNRE - Vic Govt Mines Dept)

PE603388

This is an enclosure indicator page.
The enclosure PE603388 is enclosed within the container PE906040 at this location in this document.

The enclosure PE603388 has the following characteristics:

ITEM_BARCODE	= PE603388
CONTAINER_BARCODE	= PE906040
NAME	= Seismic Calibration Log
BASIN	= GIPPSLAND
PERMIT	= VIC/L8
TYPE	= WELL
SUBTYPE	= VELOCITY_CHART
DESCRIPTION	= Seismic Calibration log (from attachment to WCR--Drift Corrected Sonic and Geogram Processing Report) for Kingfish-8
REMARKS	=
DATE_CREATED	= 02/04/1992
DATE_RECEIVED	=
W_NO	= W1057
WELL_NAME	= KINGFISH-8
CONTRACTOR	= SCHLUMBERGER
CLIENT_OP_CO	= ESSO AUSTRALIA LIMITED

(Inserted by DNRE - Vic Govt Mines Dept)

PE603389

This is an enclosure indicator page.
The enclosure PE603389 is enclosed within the container PE906040 at this location in this document.

The enclosure PE603389 has the following characteristics:

ITEM_BARCODE	= PE603389
CONTAINER_BARCODE	= PE906040
NAME	= Geogram/Synthetic Seismogram (25Hz)
BASIN	= GIPPSLAND
PERMIT	= VIC/L8
TYPE	= WELL
SUBTYPE	= SYNTH_SEISMOGRAPH
DESCRIPTION	= 25Hz zero phase Geogram 20cm/sec synthetic seismogram (enclosure from attachment to WCR--Sonic Calibration and Processing Report) for Kingfish-8.
REMARKS	=
DATE_CREATED	= 02/04/1992
DATE_RECEIVED	=
W_NO	= W1057
WELL_NAME	= KINGFISH-8
CONTRACTOR	= SCHLUMBERGER
CLIENT_OP_CO	= ESSO AUSTRALIA LIMITED

(Inserted by DNRE - Vic Govt Mines Dept)

PE603390

This is an enclosure indicator page.
The enclosure PE603390 is enclosed within the container PE906040 at this location in this document.

The enclosure PE603390 has the following characteristics:

ITEM_BARCODE	= PE603390
CONTAINER_BARCODE	= PE906040
NAME	= Geogram/Synthetic Seismogram (35Hz)
BASIN	= GIPPSLAND
PERMIT	= VIC/L8
TYPE	= WELL
SUBTYPE	= SYNTH_SEISMOGRAPH
DESCRIPTION	= 35Hz zero phase Geogram 20cm/sec synthetic seismogram (enclosure from attachment to WCR--Sonic Calibration and Geogram Processing Report) for Kingfish-8.
REMARKS	=
DATE_CREATED	= 02/04/1992
DATE_RECEIVED	=
W_NO	= W1057
WELL_NAME	= KINGFISH-8
CONTRACTOR	= SCHLUMBERGER
CLIENT_OP_CO	= ESSO AUSTRALIA LIMITED

(Inserted by DNRE - Vic Govt Mines Dept)

PE603391

This is an enclosure indicator page.
The enclosure PE603391 is enclosed within the container PE906040 at this location in this document.

The enclosure PE603391 has the following characteristics:

ITEM_BARCODE	PE603391
CONTAINER_BARCODE	PE906040
NAME	Geogram/Synthetic Seismogram (45Hz)
BASIN	GIPPSLAND
PERMIT	VIC/L8
TYPE	WELL
SUBTYPE	SYNTH_SEISMOGRAPH
DESCRIPTION	45Hz zero phase Geogram 20cm/sec synthetic seismogram(attachment to WCR--Sonic Calibration and Geogram Processing Report)for Kingfish-8.
REMARKS	
DATE_CREATED	02/04/1992
DATE_RECEIVED	
W_NO	W1057
WELL_NAME	KINGFISH-8
CONTRACTOR	SCHLUMBERGER
CLIENT_OP_CO	ESSO AUSTRALIA LIMITED

(Inserted by DNRE - Vic Govt Mines Dept)

PE603392

This is an enclosure indicator page.
The enclosure PE603392 is enclosed within the container PE906040 at this location in this document.

The enclosure PE603392 has the following characteristics:

ITEM_BARCODE	= PE603392
CONTAINER_BARCODE	= PE906040
NAME	= Geogram/Synthetic Seismogram (35Hz)
BASIN	= GIPPSLAND
PERMIT	= VIC/L8
TYPE	= WELL
SUBTYPE	= SYNTH_SEISMOGRAPH
DESCRIPTION	= 35Hz minimum phase Geogram 20cm/sec synthetic seismogram(attachment to WCR--Sonic Calibration and Geogram Processing Report) for Kingfish-8.
REMARKS	=
DATE_CREATED	= 02/04/1992
DATE_RECEIVED	=
W_NO	= W1057
WELL_NAME	= KINGFISH-8
CONTRACTOR	= SCHLUMBERGER
CLIENT_OP_CO	= ESSO AUSTRALIA LIMITED

(Inserted by DNRE - Vic Govt Mines Dept)