



## BOREHOLE SERVICES DIVISION SEG'Y' FORMAT DISC

**Client** : **OMV Australia Pty. Ltd.** **Well** : **SOLE-2**  
**Format** : SEG'Y' Format 1.  
**Sample Interval** : 1ms.  
**Survey Type** : Rig Source.

This CD contains more than one file of data.

Each file consists of a reel ('line') header followed by a series of (trace) data records.

The reel header consists of two records, one 3200 byte record of EBCDIC information in the form of 40-80 character 'cards' and one 400 byte record of binary coded information.

The binary coded record has the following format:

### Bytes:

1-4 job identification number (usually zero)  
5-8 line number (usually zero)  
9-10 reel number  
13-14 number of data traces per record  
15-16 auxiliary traces per record (usually zero)  
17-18 sample interval in  $\mu$ s  
21-22 number of samples per trace  
25-26 data sample format code (usually 1, floating point 4 bytes)  
27-28 CDP fold (usually 1)  
29-30 trace sorting code (usually 2, CDP ensemble)  
55-56 measurement units (1 metres, 2 feet)

Each trace data record consists of a 240 byte trace header followed by the trace data.



The trace header has the following binary coded format:

Bytes

1-4	trace sequence number within line
5-8	trace sequence number within reel
9-12	original field record
21-24	CDP ensemble number (ie: record or shot number)
29-30	trace identification code
31-32	number of vertically summed traces yielding this trace
35-36	data use (usually 1, production)
37-40	measured geophone depth below reference level (m/ft*1000)
41-44	vertical geophone depth below datum (m/ft*1000)
45-48	geophone first arrival time measured from recording time zero ( $\mu$ s)
49-52	source monitor to geophone first arrival time ( $\mu$ s)
53-56	vertical geophone time below datum ( $\mu$ s)
73-76	source offset (X coordinate) from Well Head (m/ft*1000)
77-80	source offset (Y coordinate) from Well Head (m/ft*1000)
81-84	reciever offset (X coordinate) from Well Head (m/ft*1000)
85-88	reciever offset (Y coordinate) from Well Head (m/ft*1000)
111-112	time of first live sample (ms)
113-114	time of last live sample (ms)
115-116	number of samples in this trace
117-118	sample interval ( $\mu$ s)

The trace data following the trace header is in a format defined by Bytes 25-26 in the binary reel header record. Please refer to the definitive description of SEG'Y' format (GEOPHYSICS, VOL 40 Number 2 (April 1975) pp 344-352) for more details.

The last trace data record in each file is followed by an EOF mark. The last file is followed by multiple EOF marks.