



# OBSERVER LOG Sequence: 4

Vessel: M/V Pacific Titan  
 Client: SANTOS LIMITED  
 Project #: Job: 6211  
 Area: Otway Basin

Line Name: **OEP04-57-01-004**

Direction: **211°**  
 Date Shot: **10 November 2004**

Party Chief: Ketil Glimsjø Chief Obs: Haydn Brook Observers: Cliff Gobbit, Roar Nygaard, Allan Beattie

| SOL Time (UTC) | SOLTape# | First File | SOL SP | SOL File | FGSP | FGSP File | FGSP Time (UTC) |
|----------------|----------|------------|--------|----------|------|-----------|-----------------|
| 12:03          | 7        | 979        | 981    | 981      | 1001 | 1001      | 12:06           |

  

| EOL Time (UTC) | EOLTape# | Last File | EOL SP | EOL File | LGSP | LGSP File | LGSP Time (UTC) |
|----------------|----------|-----------|--------|----------|------|-----------|-----------------|
| 16:11          | 8        | 2582      | 2581   | 2581     | 2571 | 2571      | 16:09           |

|            | Wind Speed | Swell | Streamer Feather | Filtered Noise | Bottom Speed | Water Speed | Water Depth | Streamer Depth | Source Volume |        |
|------------|------------|-------|------------------|----------------|--------------|-------------|-------------|----------------|---------------|--------|
| <b>SOL</b> | 4 kts. NNE | 1.0 m | 8.6° Starboard   | 5.5 µB         | 5.1 kts.     | 5.3 kts.    | 133.2 m     | 7 m            | 3040          | cu. in |
| <b>EOL</b> | 8 kts. NNE | 1.0 m | 0.5° Port        | 3.5 µB         | 5.2 kts.     | 5.2 kts.    | 1602 m      | 7 m            | 3040          | cu. in |

### Recording Parameters

|                     |                          |
|---------------------|--------------------------|
| Recording System    | Seal                     |
| Record Length       | 8000 ms                  |
| Sample Rate         | 2 ms                     |
| Start Of Data       | System Start             |
| Low Cut Filter      | 3 Hz /6 dB/ Octave       |
| Hi Cut Filter       | 200 Hz @ 370 dB / Octave |
| Tape Format         | Demux. SEG D rev 1, 8058 |
| Tape Brand          | Imation 3590 10Gb        |
| Polarity            | First Break is Negative  |
| Shot Point Interval | 25m                      |

### Source Parameters

|                           |                       |
|---------------------------|-----------------------|
| Array Volume              | 3040 cubic inches     |
| Operating Pressure        | 2000 psi +/- 10%      |
| Array Configuration       | 3 Strings             |
| Array Numbering           | Stbd to Port / 1 to 3 |
| Array Separation          | 10 m                  |
| Source Depth              | 5 m +/- 1.0m          |
| Center Source to Nav Mast | 166 M                 |
| Comment                   |                       |

### Streamer Parameters

|                     |  |
|---------------------|--|
| Number of Streamers | 1  |
| Streamer Length     | 6000m  |
| Number Channels     | 480  |
| Group Interval      | 12.5 m   |
| Operating Depth     | 7m +/- 1   |
| Offset CSCNG        | 104 m (Centre of source to centre of near group) |

### Auxiliary Channels

|                 |             |    |
|-----------------|-------------|----|
| 1: System Start | 3: 450ms TB | 5: |
| 2: TB           | 4: WB       |    |

  

#### Near Field Hydrophones

| Array 1   | Array 2 | Array 3 |
|-----------|---------|---------|
| Starboard | Center  | Port    |
| 13: Fwd   | 16: Fwd | 19: Fwd |
| 14: Mid   | 17: Mid | 20: Mid |
| 15: Aft   | 18: Aft | 21: Aft |

### Sequence breakdown

| Start | End  | Status | Comment |
|-------|------|--------|---------|
| 1001  | 2451 | Prime  |         |
| 2452  | 2571 | Runout |         |

### Channels as recorded

|                      |
|----------------------|
| AuxChannels: 481-501 |
| Streamer1: 1-480     |

### Line Comments

Soft Start Commenced 11:22  
 Noise records affected by external noise.  
 On runin and from SOL to SP 1055,  
 1060,1084,1086,1159,1125,1148,1150,1179,1181,1183,1212,1241,1244,1248,1250,1273  
 1275,1279,1282,1286,1311,1313, 1317, 1344,1350, 1354, 1359, 1363, 1389, 1393, 1395, 1399, 1402,  
 1403, 1435: Some random external noise/reflections from astern at up to 200 uBar!!! From oil rig. Down  
 hole seismic shots.  
 SP 1348: Midnight SP Local

### Bad Channels

|  |
|--|
|  |
|--|

**Line Status: Incomplete**

| <i>GMT</i> | <i>Tape</i> | <i>Drive</i> | <i>File</i> | <i>SP</i> | <i>Event</i> | <i>Remarks</i>                            |
|------------|-------------|--------------|-------------|-----------|--------------|---|
|            | 7           | 1/2          | 979         |           | BOT          | Noise records                             |
| 12:03      |             |              | 981         | 981       | FSP          | Run in SP                                 |
| 12:06      |             |              | 1001        | 1001      | SOL          |   |
|            |             |              | 2220-2238   | 2220-2238 | NDR          | Seal did not record all channels to tape. |
|            | 7           | 1/2          | 2238        | 2238      | EOT          |   |
|            | 8           | 1/4          | 2239        | 2239      | BOT          |   |
| 15:50      |             |              | 2451        | 2451      | LFFSP        |   |
| 16:09      |             |              | 2571        | 2571      | LGSP         |   |
| 16:11      |             |              | 2581        | 2581      | EOL          |   |
|            | 8           | 1/4          | 2582        |           | EOT          | Noise Record                              |

**Abbreviations Used**

|                            |                           |                             |                                   |                                   |
|----------------------------|---------------------------|-----------------------------|-----------------------------------|-----------------------------------|
| SOL = Start of Line        | BOT = Beginning of Tape   | FGSP = First Good Shotpoint | FFFSP = First Full Fold Shotpoint | NDR = No Data Recorded            |
| EOL = End of Line          | EOT = End of Tape         | LGSP = Last Good Shotpoint  | LFFSP = Last Full Fold Shotpoint  | FCSP = First Chargeable Shotpoint |
| FA = Feather Angle         | SI = Seismic Interference | FOLSP = First Overlap SP    | LOLSP = Last Overlap Shotpoint    | LCSP = Last Chargeable Shotpoint  |
| NTBP = Not To Be Processed | ITB = Internal Time Break | FTB = Field Time Break      |                                   |                                   |