



# OBSERVER LOG

## Sequence: 10

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

Line Name: OEP04-49-01-010

Direction: 031  
Date Shot: 11 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) |
|----------------|----------|------------|--------|----------|------|-----------|-----------------|
| 16:45          | 15       | 979        | 981    | 981      | 1001 | 1001      | 16:48           |

| EOL Time (UTC) | EOLTape# | Last File | EOL SP | EOL File | LGSP | LGSP File | LGSP Time (UTC) |
|----------------|----------|-----------|--------|----------|------|-----------|-----------------|
| 19:53          | 15       | 2145      | 2144   | 2144     | 2134 | 2134      | 19:51           |

|     | Wind Speed | Swell | Streamer Feather | Filtered Noise | Bottom Speed | Water Speed | Water Depth | Streamer Depth | Source Volume |        |
|-----|------------|-------|------------------|----------------|--------------|-------------|-------------|----------------|---------------|--------|
| SOL | 25 kts. NW | 2 m   | 2.0° Starboard   | 6 µB           | 5.2 kts.     | 5.2 kts.    | 370 m       | 8 m            | 3040          | cu. in |
| EOL | 25 kts. NW | 3 m   | 1.1° Starboard   | 8.2 µB         | 5.3 kts.     | 5.4 kts.    | 43 m        | 8 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                   |                       |

### 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 |

### 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) |

### Sequence breakdown

| Start | End  | Status | Comment |
|-------|------|--------|---------|
| 1001  | 2014 | Prime  |         |
| 2015  | 2134 | Runout |         |

### Channels as recorded

AuxChannels: 481-501  
Streamer1: 1-480

### Line Comments

Soft start commenced @ 16:06  
SOL noise record taken with cable at 7.0m  
Random swell noise on streamer up to 30uB  
Bird 5 intermittent throughout the line

### Bad Channels

Line Status: Complete

| <i>GMT</i> | <i>Tape</i> | <i>Drive</i> | <i>File</i> | <i>SP</i> | <i>Event</i> | <i>Remarks</i> |
|------------|-------------|--------------|-------------|-----------|--------------|----------------|
|            | 15          | 1/2          | 979         |           | BOT          | Noise records  |
| 16:45      |             |              | 981         | 981       | SOL          | Run in shots   |
| 16:48      |             |              | 1001        | 1001      | FGSP         |                |
| 19:32      |             |              | 2014        | 2014      | LFFSP        |                |
| 19:51      |             |              | 2134        | 2134      | LGSP         |                |
| 19:53      |             |              | 2144        | 2144      | EOL          |                |
|            | 15          | 1/2          | 2145        |           | 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      |                                   |                                   |