



# OBSERVER LOG

## Sequence: 5

Vessel: M/V Pacific Titan  
Client: Santos  
Project #: Job: 6211  
Area: Vic P55

Line Name: **GISN05-25-01-005**

Direction: **180**  
Date Shot: **05 February 2005**

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) |
|----------------|----------|------------|--------|----------|------|-----------|-----------------|
| 10:02          | 5        | 979        | 981    | 981      | 1001 | 1001      | 10:05           |

| EOL Time (UTC) | EOLTape# | Last File | EOL SP | EOL File | LGSP | LGSP File | LGSP Time (UTC) |
|----------------|----------|-----------|--------|----------|------|-----------|-----------------|
| 12:12          | 5        | 1727      | 1726   | 1726     | 1716 | 1716      | 12:10           |

|            | Wind Speed | Swell | Streamer Feather | Filtered Noise | Bottom Speed | Water Speed | Water Depth | Streamer Depth | Source Volume |
|------------|------------|-------|------------------|----------------|--------------|-------------|-------------|----------------|---------------|
| <b>SOL</b> | 8 kts W    | 1 m   | 6.0° Starboard   | 5 µB           | 4.7 kts.     | 4.9 kts.    | 118 m       | 7 m            | 3040 cu. in   |
| <b>EOL</b> | 20 kts W   | 2 m   | 4.9° Starboard   | 13.7 µB        | 4.7 kts.     | 4.9 kts.    | 199 m       | 7 m            | 3040 cu. in   |

### Recording Parameters

|                       |                          |
|-----------------------|--------------------------|
| Recording System      | Seal                     |
| Record Length         | 8000 ms                  |
| Sample Rate           | 2 ms                     |
| Start Of Acquisition  | System Start (Aux 1)     |
| Start Of Data to Shot | 50ms (Aux 2)             |
| Low Cut Filter        | OUT                      |
| 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                      |

### Streamer Parameters

|                     |  |
|---------------------|--|
| Number of Streamers | 1  |
| Streamer Length     | 6000m  |
| Number Channels     | 480  |
| Group Interval      | 12.5 m   |
| Operating Depth     | 7m +/- 1   |
| Offset CSCNG        | 114 m (Centre of source to centre of near group) |

### Sequence breakdown

| Start | End  | Status | Comment |
|-------|------|--------|---------|
| 1001  | 1596 | Prime  |         |
| 1597  | 1716 | Runout |         |

### 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       |         |
| <b>Near Field Hydrophones</b> |             |         |
| 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 |

### Channels as recorded

AuxChannels: 481-501  
Streamer1: 1-480

### Line Comments

Commenced Soft Start @ 09:15, full array 20:45  
SOL Occasional random swell noise affecting 1-3% of traces at max 60 uBar  
EOL Occasional random swell noise affecting 5-10% of traces at max 150 uBar

### Bad Channels

Noisy - 25

**Line Status: Complete**

| <i>GMT</i> | <i>Tape</i> | <i>Drive</i> | <i>File</i> | <i>SP</i> | <i>Event</i> | <i>Remarks</i> |
|------------|-------------|--------------|-------------|-----------|--------------|----------------|
|            | 5           | 3/4          | 979         |           | BOT          | Noise Records  |
| 10:02      |             |              | 981         | 981       | FSP          | Runin shots    |
| 10:05      |             |              | 1001        | 1001      | SOL          |                |
| 11:50      |             |              | 1596        | 1596      | LFFSP        |                |
| 12:10      |             |              | 1716        | 1716      | LGSP         |                |
| 12:12      |             |              | 1726        | 1726      | EOL          | Nav runout     |
|            | 5           | 3/4          | 1727        |           | 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      |                                   |                                   |