# OBSERVER LOG

**Sequence: 36**

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

**Direction:** 211
**Line Name:** OEP04-23-01-036
**Date Shot:** 24 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) |
|---|---|---|---|---|---|---|---|
| 17:51 | 58 | 979 | 981 | 981 | 1001 | 1001 | 17:54 |

| EOL Time (UTC) | EOLTape# | Last File | EOL SP | EOL File | LGSP | LGSP File | LGSP Time (UTC) |
|---|---|---|---|---|---|---|---|
| 21:37 | 59 | 2362 | 2361 | 2361 | 2351 | 2351 | 21:35 |

| | Wind Speed | Swell | Streamer Feather | Filtered Noise | Bottom Speed | Water Speed | Water Depth | Streamer Depth | Source Volume | |
|---|---|---|---|---|---|---|---|---|---|---|
| SOL | 7 kts. ESE | 2 m | 6.2° Starboard | 13.5 µB | 5.2 kts. | 5.0 kts. | 337 m | 7 m | 3040 | cu. in |
| EOL | 18 kts. ESE | 1 m | 4.0° Port | 3.9 µB | 4.8 kts. | 5.1 kts. | 1933 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. SEGD 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 | 179 M |
| Comment | SOD to shot 50ms |

## 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 | 114 m (Centre of source to centre of near group) |

## Sequence breakdown

| Start | End | Status | Comment |
|---|---|---|---|
| 1001 | 2231 | Prime | |
| 2232 | 2351 | Runout | |

**Channels as recorded**

AuxChannels: 481-501
Streamer1: 1-480

## Line Comments

Softstart commenced at 17:13
NOTE! Streamer at 7 m!!!
SOL: Random swell noise 5-10% of traces affected @ 20-100µB
EOL: Random swell noise 1-5% of traces affected @ 20-100µB

## Bad Channels

**Line Status: Complete**

Date    24 November 2004

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| GMT | Tape | Drive | File | SP | Event | Remarks |
|---|---|---|---|---|---|---|
|  | 58 | 3/4 | 979 |  | BOT | Noise records |
| 17:51 |  |  | 981 | 981 | SOL | Run in SP |
| 17:54 |  |  | 1001 | 1001 | FGSP |  |
|  | 58 | 3/4 | 1711 | 1711 | EOT | SCSI write error - file re-written on next tape |
|  | 59 | 1/2 | 1712 | 1712 | BOT |  |
| 21:15 |  |  | 2231 | 2231 | LFFSP |  |
| 21:35 |  |  | 2351 | 2351 | LGSP |  |
| 21:37 |  |  | 2361 | 2361 | EOL | Nav Run out |
|  | 59 | 1/2 | 2362 |  | 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 Shotoint | 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 | |