



OBSERVER LOG Sequence: 15

Vessel: M/V Pacific Titan
 Client: Santos
 Project #: Job: 6211
 Area: Cape Sorell, Tasmania

Line Name: **SS04-005-015**

Direction: **64**
 Date Shot: **19 January 2005**

Party Chief: Alf Dale Chief Obs: Jacob Ib Observers: Peter Wardle, Tyrone Hackett, Virgillio Carreon

| SOL Time (UTC) | SOLTape# | First File | SOL SP | SOL File | FGSP | FGSP File | FGSP Time (UTC) |
|----------------|----------|------------|--------|----------|------|-----------|-----------------|
| 06:27 | 029 | 979 | 981 | 981 | 1001 | 1001 | 06:30 |

| EOL Time (UTC) | EOLTape# | Last File | EOL SP | EOL File | LGSP | LGSP File | LGSP Time (UTC) |
|----------------|----------|-----------|--------|----------|------|-----------|-----------------|
| 09:49 | 030 | 2273 | 2271 | 2271 | 2270 | 2270 | 09:49 |

| | Wind Speed | Swell | Streamer Feather | Filtered Noise | Bottom Speed | Water Speed | Water Depth | Streamer Depth | Source Volume | |
|------------|------------|-------|------------------|----------------|--------------|-------------|-------------|----------------|---------------|--------|
| SOL | 8 kts NNW | 1.5 m | 3° Port | 11.6 µB | 5.2 kts. | 5.2 kts. | 1024 m | 9 m | 3040 | cu. in |
| EOL | 8 kts SSW | 2 m | 3° Starboard | 7.7 µB | 5.1 kts. | 5.2 kts. | 101 m | 9 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. 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 | 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 | 114 m (Centre of source to centre of near group) |

Sequence breakdown

| Start | End | Status | Comment |
|-------|------|--------|---------|
| 1001 | 2270 | Prime | |

Channels as recorded

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

Line Comments

Soft start commenced @ 05:50 GMT
 Cable set to 9 metres due to weather conditions.
 SOL Swell Noise evident affecting < 15% of traces < 15µB
 SP 1485 Swell Noise increasing < 25% of traces < 20µB
 SP 2271 Line terminated early d/t obstruction ahead / Line considered complete

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> |
|------------|-------------|--------------|-------------|-----------|--------------|---------------------------|
| | 029 | 1/3 | 979 | | BOT | Noise Records |
| 06:27 | | | 981 | 981 | SOL | Nav Run In SP |
| 06:30 | | | 1001 | 1001 | FGSP | |
| | | | 1007 | 1007 | NAV | Bad Header (Bad Shot) |
| | | | 1355 | 1355 | GUN | Gun 1-2 delta error 1.1ms |
| | | | 1407 | 1407 | GUN | Gun 1-2 delta error 1.2ms |
| | | | 1465 | 1465 | GUN | Gun 1-2 delta error 1.4ms |
| | | | 1470 | 1470 | GUN | Gun 1-2 delta error 1.1ms |
| | | | 1754 | 1754 | GUN | Gun 1-2 delta error 1.1ms |
| | | | 1832 | 1832 | GUN | Gun 1-2 delta error 1.1ms |
| | | | 1843 | 1843 | GUN | Gun 1-2 delta error 1.1ms |
| | | | 1855 | 1855 | GUN | Gun 1-2 delta error 1.2ms |
| | | | 1897 | 1897 | GUN | Gun 1-2 delta error 1.1ms |
| | | | 2012 | 2012 | GUN | Gun 1-2 delta error 1.1ms |
| | | | 2129 | 2129 | GUN | Gun 1-2 delta error 1.2ms |
| | 029 | 1/3 | 2178 | 2178 | EOT | |
| | 030 | 1/3 | 2179 | 2179 | BOT | |
| 09:49 | | | 2270 | 2270 | LGSP | |
| 09:49 | | | 2271 | 2271 | EOL | Nav Run Out SP |
| | | | 2272 | | | Dummy File |
| | 030 | 1/3 | 2273 | | 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 | | |