



OBSERVER LOG Sequence: 30

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

Direction: 211°
 Date Shot: 23 November 2003
 Line Name: OEP04-15-03-030

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) |
|----------------|----------|------------|--------|----------|------|-----------|-----------------|
| 06:37 | 46 | 979 | 981 | 981 | 1001 | 1001 | 06:40 |
| EOL Time (UTC) | EOLTape# | Last File | EOL SP | EOL File | LGSP | LGSP File | LGSP Time (UTC) |
| 11:40 | 47 | 2759 | 2758 | 2758 | 2748 | 2748 | 11:38 |

| | Wind Speed | Swell | Streamer Feather | Filtered Noise | Bottom Speed | Water Speed | Water Depth | Streamer Depth | Source Volume | |
|------------|------------|-------|------------------|----------------|--------------|-------------|-------------|----------------|---------------|--------|
| SOL | 17 kts. SE | 2.0 m | 13.3° Port | 28 µB | 4.9 kts. | 4.7 kts. | 101 m | 9 m | 3040 | cu. in |
| EOL | 15 kts. E | 2.0 m | 1.5° Port | 14.5 µB | 4.5 kts. | 5.12 kts. | 2162.7 m | 9 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 | 179 M |
| Comment | SOD to shot 50ms |

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) |

Auxiliary Channels

| | | |
|-------------------------------|----------------|----------------|
| 1: System Start | 3: 450ms TB | 5: |
| 2: TB | 4: WB | |
| Near Field Hydrophones | | |
| <i>Array 1</i> | <i>Array 2</i> | <i>Array 3</i> |
| <i>Starboard</i> | <i>Center</i> | <i>Port</i> |
| 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 | 2628 | Prime | |
| 2629 | 2748 | Runout | |

Channels as recorded

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

Line Comments

Softstart commenced at 05:57
 NOTE!!! Streamer on 9m depth d/t weather
 tail end of streamer still in turn during noise records at SOL.
 Streamer tail still in turn at SOL
 SOL-SP 1500: Random swell noise 20-40% of traces affected @ 20-250uB
 SP 1040 Streamer straight
 Sp 1500-EOL: Random swell noise 7-22% of traces affected @ 20-120uB
 Note! Several misfires on Gun 2-4. See logentries. After QC misfires determined to be false.

Bad Channels

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| |
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Line Status: Complete

| <i>GMT</i> | <i>Tape</i> | <i>Drive</i> | <i>File</i> | <i>SP</i> | <i>Event</i> | <i>Remarks</i> |
|------------|-------------|--------------|-------------|-----------|--------------|---|
| | 46 | 3/4 | 979 | | BOT | Noise Record |
| 06:37 | | | 981 | 981 | SOL | Nav run in SP |
| 06:40 | | | 1001 | 1001 | FGSP | |
| | | | 1422 | 1422 | GUN | Gun 2-4 No Fire |
| | | | 2041 | 2041 | GUN | Gun 2-4 Delta error -1.6ms |
| | | | 2175 | 2175 | GUN | Gun 2-4 No fire |
| | | | 2177 | 2177 | GUN | Gun 2-4 No fire |
| | 46 | 3/4 | 2178 | 2178 | EOT | Gun 2-4 No fire |
| | 47 | 1/2 | 2179 | 2179 | BOT | Gun 2-4 No fire |
| | | | 2180 | 2180 | GUN | Gun 2-4 No fire |
| | | | 2181 | 2181 | GUN | Gun 2-4 No fire |
| | | | 2182 | 2182 | GUN | Gun 2-4 No fire |
| | | | 2184 | 2184 | GUN | Gun 2-4 No fire |
| | | | 2188 | 2188 | GUN | Gun 2-4 delta error 1.7ms |
| | | | 2189 | 2189 | GUN | Gun 2-4 delta error 1.8ms |
| | | | 2192 | 2192 | GUN | Gun 2-4 delta error 1.5ms |
| | | | 2193 | 2193 | GUN | Gun 2-4 delta error 1.5ms |
| | | | 2197 | 2197 | GUN | Gun 2-4 No fire |
| | | | 2198 | 2198 | GUN | Gun 2-4 No fire |
| | | | 2204 | 2204 | GUN | Gun 2-4 No fire |
| | | | 2205 | 2205 | GUN | Gun 2-4 No fire |
| | | | 2206 | 2206 | GUN | Gun 2-4 No fire |
| | | | 2207 | 2207 | GUN | Gun 2-4 No fire |
| | | | 2208 | 2208 | GUN | Gun 2-4 No fire |
| | | | 2209 | 2209 | GUN | Gun 2-4 No fire |
| | | | 2210 | 2210 | GUN | Gun 2-4 No fire |
| | | | 2223 | 2223 | GUN | Gun 2-4 No fire |
| | | | 2226 | 2226 | GUN | Gun 2-4 No fire |
| | | | 2227 | 2227 | GUN | Gun 2-4 No fire |
| | | | 2228 | 2228 | GUN | Gun 2-4 No fire |
| | | | 2229 | 2229 | GUN | Gun 2-3 No fire Guns 2-3 and 2-4 disabled gun 2-1 and 2-2 enabled |
| | | | 2230 | 2230 | GUN | Gun 2-1 and 2-2 delta error -3ms |
| | | | 2231 | 2231 | GUN | Gun 2-1 and 2-2 delta error -4ms |
| | | | 2232 | 2232 | | Guns OK |
| 11:16 | | | 2628 | 2628 | | LFFSP |
| 11:38 | | | 2748 | 2748 | LGSP | |
| 11:40 | | | 2758 | 2758 | EOL | Nav run out SP |
| | 47 | 1/2 | 2759 | | 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 | | |