

Vessel: M/V Pacific Titan  
 Client: Nexus Energy  
 Project #: 6318  
 Area: VIC P/49, SE Australia

Preplotted LineName: **VGNXS07-34**  
 Contractors Line Name: **VGNXS07-34-045**

Direction: **200 °**  
 Date Shot: **13 July 2007**

Party Chief: Haydn Brook Chief Obs: Tyrone Hackett Observers: John Gracey, Slawomir Korybalski, Ingvild Bostad

| SOL Time (UTC) | SOLTape# | First File | SOL SP | SOL File | FCSP | FCSP File | FCSP Time (UTC) |
|----------------|----------|------------|--------|----------|------|-----------|-----------------|
| 12:40          | 45       | 979        | 1001   | 1001     | 1001 | 1001      | 12:40           |

Swell Noise Levels  
 5% @ 25 µB

| EOL Time (UTC) | EOLTape# | Last File | EOL SP | EOL File | LCSP | LCSP / LFFSP File | LCSP Time (UTC) |
|----------------|----------|-----------|--------|----------|------|-------------------|-----------------|
| 14:18          | 45       | 1693      | 1692   | 1692     | 1692 | 1692              | 14:18           |

6.7% @ 25 µB

|            | Wind Speed | Swell | Streamer Feather | Filtered Noise | Bottom Speed | Water Speed | Water Depth | Streamer Depth | Source Volume Stbd. Port |
|------------|------------|-------|------------------|----------------|--------------|-------------|-------------|----------------|--------------------------|
| <b>SOL</b> | 20 kts SW  | 3.0 m | 3.7° Starboard   | 8.7 µB         | 4.5 kts.     | 4.8 kts.    | 433 m       | 9 m            | 1970 / 1470 cu. in       |
| <b>EOL</b> | 20 kts SW  | 3.0 m | 2.0° Starboard   | 10.5 µB        | 4.0 kts.     | 4.2 kts.    | 1860 m      | 9 m            | 1970 / 1470 cu. in       |

### Recording Parameters

|                     |                              |
|---------------------|------------------------------|
| Recording System    | Sercel Seal 408XL            |
| Record Length       | 6500 ms                      |
| Sample Rate         | 2 ms                         |
| Start Of Data       | 50 ms before FTB             |
| Low Cut Filter      | 3 Hz / 6dB                   |
| Hi Cut Filter       | 200 Hz @ 370 dB / Octave     |
| Tape Format         | Demux. SEG D rev 1, 8058     |
| Tape Brand          | Imation BlackWatch 3590 10Gb |
| Polarity            | First Break is Negative      |
| Shot Point Interval | 18.75m                       |

### Source Parameters

|                           |                       |
|---------------------------|-----------------------|
| Array Volume              | 3440 cubic inches     |
| Operating Pressure        | 2000 psi +/- 10%      |
| Array Configuration       | 2 Strings             |
| Array Numbering           | Stbd to Port / 1 to 2 |
| Array Separation          | 7m                    |
| Source Depth              | 6 m +/- 1m            |
| Center Source to Nav Mast | 173m                  |
| Comment                   |                       |

### Auxiliary Channels

|      |           |             |       |
|------|-----------|-------------|-------|
| Aux1 | System St | Aux4:       | Aux7: |
| Aux2 | FTB       | Aux5: WB S1 | Aux8: |
| Aux3 | 450 ms de | Aux6:       | Aux9: |

### Auxiliary Hydrophone Channels

| Stbd Outer | Array 1 | Port Inner | Array 3 |
|------------|---------|------------|---------|
| Aux13:     | Fwd     | Aux19:     | Fwd     |
| Aux14:     | Mid     | Aux20:     | Mid     |
| Aux15:     | Aft     | Aux21:     | Aft     |
| Stbd Inner | Array 2 | Port Outer | Array 4 |
| Aux16:     | NA      | Aux22:     | NA      |
| Aux17:     | NA      | Aux23:     | NA      |
| Aux18:     | NA      | Aux24:     | NA      |

### Streamer Parameters

|                       |  |
|-----------------------|--|
| Number of Streamers   | 1  |
| Streamer Length       | 6000m  |
| Number Channels       | 480  |
| Group Interval        | 12.5 m   |
| Operating Depth       | 7 m +/- 1m                                     |
| Crossline offset      | NA   |
| Offset CSCNG (inline) | 78m (Centre of source to centre of near group) |

### Sequence breakdown

Start End Status Comment

### Channels as recorded

|                     |            |
|---------------------|------------|
| AuxChannels: A1-A24 |            |
| Streamer1: 1-480    | Streamer4: |
| Streamer2:          | Streamer5: |
| Streamer3:          | Streamer6: |

**Line Comments**

Streamer set to 9m @ client's request  
SOL : Swell Noise visible affecting < 10% of traces => 25µB

**Bad Channels**

Trace 83 reversed polarity  
Ch 226 fails cut-off

***Line Status: Complete***

| <i>GMT</i> | <i>Tape</i> | <i>Drive</i> | <i>File</i> | <i>SP</i> | <i>Event</i> | <i>Remarks</i>                       |
|------------|-------------|--------------|-------------|-----------|--------------|--------------------------------------|
| 12:09      |             |              |             |           | SoftStart    |                                      |
|            | 45          | 1/2          | 979-980     |           | BOT          | Noise records                        |
| 12:38      |             |              | 981-1000    | 981-1000  | FSP          | Nav run in's                         |
| 12:40      |             |              | 1001        | 1001      | SOL          | FCSP                                 |
|            |             |              | 1289        | 1289      | GUN          | Depth error string 2 cluster 3, 7.1m |
|            |             |              | 1489        | 1489      | GUN          | Depth error string 2 cluster 3, 7.1m |
| 14:18      |             |              | 1692        | 1692      | EOL          | LCSP                                 |
|            | 45          | 1/2          | 1693        |           | EOT          | Noise file                           |

#### Abbreviations Used

|                            |                           |                             |                                  |                                   |
|----------------------------|---------------------------|-----------------------------|----------------------------------|-----------------------------------|
| SOL = Start of Line        | BOT = Beginning of Tape   | FGSP = First Good Shotpoint | FFSP = 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            |
| NTBP = Not To Be Processed | ITB = Internal Time Break | FTB = Field Time Break      |                                  |                                   |