

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

Preplotted LineName: **VGNXS07-50**
 Contractors Line Name: **VGNXS07-50-021**

Direction: **280** °
 Date Shot: **22 June 2007**

Party Chief: Sigurd Østerud Chief Obs: Allan Beattie Observers: Mike Suis, Jun Lumabas, Dervin Victorio, Dennis Maranon

| SOL Time (UTC) | SOLTape# | First File | SOL SP | SOL File | FCSP | FCSP File | FCSP Time (UTC) | Swell Noise Levels |
|----------------|----------|------------|--------|----------|------|-----------|-----------------|--------------------|
| 15:29 | 35 | 979 | 981 | 981 | 1001 | 1001 | 15:32 | 3-10% @ 15-20µb |

| EOL Time (UTC) | EOLTape# | Last File | EOL SP | EOL File | LCSP | LCSP / LFFSP File | LCSP Time (UTC) | |
|----------------|----------|-----------|--------|----------|------|-------------------|-----------------|---------------|
| 19:25 | 36 | 2282 | 2281 | 2281 | 2281 | 2281 | 19:25 | 1-5% @ 8-15µb |

| | Wind Speed | Swell | Streamer Feather | Filtered Noise | Bottom Speed | Water Speed | Water Depth | Streamer Depth | Source Volume Stbd. Port |
|------------|------------|-------|------------------|----------------|--------------|-------------|-------------|----------------|--------------------------|
| SOL | 15 kts. SW | 2.5 m | 3.1° Port | 8.5 µB | 4.9 kts. | 5.3 kts. | 2399 m | 8 m | 1970 / 1470 cu. in |
| EOL | 15 kts. SW | 1.5 m | 1.4° Port | 5.7 µB | 4.5 kts. | 5.0 kts. | 2588 m | 8 m | 1970 / 1470 cu. in |

Recording Parameters

| | |
|---------------------|------------------------------|
| Recording System | Sercel Seal 408XL |
| Record Length | 8500 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 | 25.00m |

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 |
|-------|-----|--------|---------|
|-------|-----|--------|---------|

| | | | |
|------|------|-------|------------|
| 1001 | 2281 | Prime | VGNXS07-50 |
|------|------|-------|------------|

Channels as recorded

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

Line Comments

Streamer set to 8m @ SOL.
 SP 1300-1550 turning noise present d/t sudden FA change.

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> |
|------------|-------------|--------------|-------------|-----------|--------------|-----------------|
| 14:50 | | | | | SoftStart | |
| | 35 | 3/1 | 979-980 | | BOT | Noise files |
| 15:29 | | | 981-1000 | 981-1000 | FSP | Nav run-in SP's |
| 15:32 | | | 1001 | 1001 | SOL | FCSP |
| | 35 | 3/1 | 2091 | 2091 | EOT | |
| | 36 | 3/1 | 2092 | 2092 | BOT | |
| 19:25 | | | 2281 | 2281 | EOL | LCSP |
| | 3/6 | 3/1 | 2282 | | EOT | Noise file |

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 |
| NTBP = Not To Be Processed | ITB = Internal Time Break | FTB = Field Time Break | | |